

# W-THANE HB/HS 470 T BLUE RAL 5000 A COMPONENT

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 4/25/2025 Revision date: 1/28/2026 Version: 3.0



### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : W-THANE HB/HS 470 T BLUE RAL 5000 A COMPONENT  
Product code : 12800173  
Type of product : Paint  
Product group : Trade product

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Coating providing surfaces with protection, waterproofing, finishing and resistance, etc.

#### 1.4. Supplier's details

##### WEG TINTAS LTDA - GRUPO WEG

##### Guaramirim - Santa Catarina / Brasil

Rodovia BR 280 – Km 50, 6.918 – Bloco A. Caixa D'Água – 89270-000 - +55 (47) 3276-4000

##### Mauá - São Paulo / Brasil

Rua Dr. Ulysses Guimarães, nº 918 – Bloco A. Loteamento Industrial Coral 09372-050 – Fone: +55 (11) 4547-6100

##### Cabo de Santo Agostinho - Pernambuco / Brasil

Via VII, 314 Distrito Industrial DIPER – 54590-000 - Fone: +55 (81) 3512-3000

##### Betim - Minas Gerais / Brasil

Avenida Juiz Marco Tulio Isaac, 2994 Betim Industrial – 32671-198, Fone: +55 (31) 3268-0687 / +55 (31) 3268-0686

##### Macaé - Rio de Janeiro / Brasil

Rua Itacolomi, 528 – Quadra H – Lote 11 Cabiúnas – 27977-340

##### Atotonilco de Tula - Estado de Hidalgo / México

Av. Hidalgo, lote 40, 41, 42 y 43 - Parque Industrial Bicentenario, CP 42980 - Fone: +52 (55) 5321-4231

##### Buenos Aires - Provincia de Buenos Aires / Argentina

Av. José Melián, 2983 - Parque Industrial Burzaco, B1852 - Fone: +54 (11) 4299-8000

#### 1.5. Emergency phone number

Emergency number :

|                                      |             |                                  |                         |
|--------------------------------------|-------------|----------------------------------|-------------------------|
| <b>24-HOUR EMERGENCY - AMBIPAR</b>   |             | 0800 117 2020                    |                         |
| <b>CHEMTREC international number</b> |             | +1-703-527-3887 e 1-800-424-9300 |                         |
| <b>Country</b>                       | <b>City</b> | <b>Local Number</b>              | <b>Toll-Free Number</b> |
| Austria                              | Vienna      | +43-1-3649237                    |                         |
| Austria                              |             |                                  | 0800 293702             |
| China                                |             | 400 120 4937                     |                         |
| France                               |             | +33-975181407                    |                         |
| Germany                              |             |                                  | 0800-181-7059           |

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|                |           |                  |                  |
|----------------|-----------|------------------|------------------|
| India          | Bangalore | +91 8071 279 207 |                  |
| India          |           |                  | 000 800 1007 141 |
| Italy          | Milan     | +39-02 4555 7031 |                  |
| Italy          |           |                  | 800 789 767      |
| Netherlands    |           | +31-85 888 0596  |                  |
| South Africa   |           |                  | 080-001-4676     |
| United Kingdom | London    | +44 20 3807 3798 |                  |
| South korea    |           |                  | 080-880-0454     |
| Japan          |           |                  | 0800-300-5842    |

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

#### Classification according to GHS BR (ABNT NBR 14725: 2023)

Flammable liquids, Category 3  
Acute toxicity (dermal), Category 5  
Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 2A  
Skin sensitisation, Category 1  
Germ cell mutagenicity, Category 1B  
Carcinogenicity, Category 1B  
Reproductive toxicity, Category 2  
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation  
Specific target organ toxicity — Repeated exposure, Category 2  
Aspiration hazard, Category 1  
Hazardous to the aquatic environment - Acute Hazard, Category 2  
Hazardous to the aquatic environment - Chronic Hazard, Category 2

### 2.2. GHS Label elements, including precautionary statements

#### GHS BR labelling

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Danger

Hazard statements (GHS BR)

: H226 - Flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways  
H313 - May be harmful in contact with skin  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H340 - May cause genetic defects.  
H350 - May cause cancer.  
H361 - Suspected of damaging fertility or the unborn child.  
H373 - May cause damage to organs through prolonged or repeated exposure.  
H411 - Toxic to aquatic life with long lasting effects  
Precautionary statements (GHS BR)  
: P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground and bond container and receiving equipment.

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P241 - Use explosion-proof equipment.  
P242 - Use non-sparking tools.  
P243 - Take action to prevent static discharges.  
P260 - Do not breathe dust, fume, gas, mist, vapours or spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or a doctor.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - IF exposed or concerned: Get medical advice or attention.  
P312 - Call a POISON CENTER or a doctor if you feel unwell.  
P314 - Get medical advice or attention as appropriate.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P331 - Do NOT induce vomiting.  
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.  
P337+P313 - If eye irritation persists: Get medical advice or attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P370+P378 - In case of fire: Use appropriate media to extinguish.  
P391 - Collect spillage.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and international regulations.

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name          | GHS Product identifier | Conc. (% w/w) | Classification according to GHS BR (ABNT NBR 14725: 2023)                                                                                                                                                                                                                                         |
|---------------|------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MIXED XYLENES | CAS-No.: 1330-20-7     | 20 – 40       | Flam. Liq. 3, H226<br>Acute Tox. 5 (Oral), H303<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Inhalation:vapour), H332<br>Skin Irrit. 2, H315<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401<br>Aquatic Chronic 3, H412 |

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| Name                            | GHS Product identifier | Conc.<br>(% w/w) | Classification according to GHS<br>BR (ABNT NBR 14725: 2023)                                                                                                                                                                                                                                                            |
|---------------------------------|------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STYRENE MONOMER                 | CAS-No.: 100-42-5      | 5 – 10           | Flam. Liq. 3, H226<br>Acute Tox. 5 (Oral), H303<br>Acute Tox. 5 (Dermal), H313<br>Acute Tox. 4 (Inhalation:vapour), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Carc. 2, H351<br>Repr. 2, H361<br>STOT SE 3, H335<br>STOT RE 1, H372<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411 |
| Quartz(SiO2)                    | CAS-No.: 14808-60-7    | 5 – 10           | Skin Irrit. 2, H315<br>Skin Sens. 1, H317                                                                                                                                                                                                                                                                               |
| 2-methoxy-1-methylethyl acetate | CAS-No.: 108-65-6      | 5 – 10           | Flam. Liq. 3, H226<br>Acute Tox. 5 (Dermal), H313<br>Aquatic Acute 3, H402                                                                                                                                                                                                                                              |
| ISOBUTYL METHACRYLATE           | CAS-No.: 97-86-9       | 5 – 10           | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>STOT SE 3, H335<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                                                                                                                                                                 |
| 2-ETHYLHEXYL ACRYLATE           | CAS-No.: 103-11-7      | 5 – 10           | Flam. Liq. 4, H227<br>Acute Tox. 5 (Oral), H303<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>STOT SE 3, H335<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411                                                                                                                                                     |
| 2-HYDROXYETHYL METACRILATE      | CAS-No.: 868-77-9      | 1 – 5            | Acute Tox. 5 (Oral), H303<br>Acute Tox. 5 (Dermal), H313<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317                                                                                                                                                                                            |
| HYDROXYPROPYL METHACRYLATE      | CAS-No.: 923-26-2      | 1 – 5            | Flam. Liq. 4, H227<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317                                                                                                                                                                                                                                                         |
| PINE DIPENTENE                  | CAS-No.: 138-86-3      | 1 – 5            | Flam. Liq. 3, H226<br>Acute Tox. 5 (Dermal), H313<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                                                                                                                                                      |
| TERT-BUTYL PERBENZOATE          | CAS-No.: 614-45-9      | 0.5 – 1          | Flam. Liq. 4, H227<br>Self-react. C, H242<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 2 (Inhalation:vapour), H330<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Irrit. 2, H315                                                                                                                                    |

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| Name                                                                                                                                                                                                                                                                                                                                                                 | GHS Product identifier | Conc.<br>(% w/w) | Classification according to GHS<br>BR (ABNT NBR 14725: 2023)                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                      |                        |                  | Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412                                                                                                                                                                    |
| Nafta solvente (petróleo), aromático leve                                                                                                                                                                                                                                                                                                                            | CAS-No.: 64742-95-6    | 0.5 – 1          | Flam. Liq. 3, H226<br>Acute Tox. 5 (Dermal), H313<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Muta. 1B, H340<br>Carc. 1B, H350<br>STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411            |
| HEAVY AROMATIC NAPHTA                                                                                                                                                                                                                                                                                                                                                | CAS-No.: 64742-94-5    | 0.25 – 0.5       | Flam. Liq. 4, H227<br>Acute Tox. 5 (Dermal), H313<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                                                                                                |
| ACRYLIC ACID GLACIAL MONOMER                                                                                                                                                                                                                                                                                                                                         | CAS-No.: 79-10-7       | 0.25 – 0.5       | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Corr. 1A, H314<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |
| naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).] | CAS-No.: 64742-82-1    | 0.1 – 0.25       | Flam. Liq. 3, H226<br>Acute Tox. 5 (Dermal), H313<br>Muta. 1B, H340<br>Carc. 1B, H350<br>STOT RE 1, H372<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411                                                         |

## SECTION 4: First-aid measures

### 4.1. Description of necessary first-aid measures

|                                       |                                                                                                                                                                                                                                                                              |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : IF exposed or concerned: Get medical advice/attention. People with over sensibility problems are not allowed to work or be exposed to the product.                                                                                                                         |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. Immediately call a POISON CENTER/doctor.                                                                                                                |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Be careful, the product may remain trapped under clothing, footwear or a wrist-watch. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                                                                                                                                           |
| First-aid measures after ingestion    | : Do not induce vomiting/risk of damage to lungs exceeds poisoning risk.                                                                                                                                                                                                     |

### 4.2. Most important symptoms and effects, acute and delayed

|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Symptoms/effects | : May cause damage to organs through prolonged or repeated exposure. May cause an |
|------------------|-----------------------------------------------------------------------------------|

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|                                     |                                                                                                                                                                                                                                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. May be fatal if swallowed and enters airways.                                                                                                                                            |
| Symptoms/effects after skin contact | : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).<br>: May be harmful in contact with skin. Causes skin irritation. irritation (itching, redness, blistering). Cracking of the skin. Prolonged or repeated contact may cause skin to become dry. |
| Symptoms/effects after eye contact  | : stinging. Redness. Causes serious eye irritation. redness, itching, tears.                                                                                                                                                                                                        |
| Symptoms/effects after ingestion    | : May cause irritation to the digestive tract. Risk of lung oedema.                                                                                                                                                                                                                 |
| Chronic symptoms                    | : May cause cancer. May cause heritable genetic damage. Suspected of damaging fertility. Suspected of damaging the unborn child.                                                                                                                                                    |

### 4.3. Indication of any immediate medical attention and special treatment needed, if necessary

|                    |                         |
|--------------------|-------------------------|
| Notes to physician | : Treat symptomatically |
|--------------------|-------------------------|

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

|                                |                                                      |
|--------------------------------|------------------------------------------------------|
| Suitable extinguishing media   | : Dry chemical, CO2, or water spray or regular foam. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                   |

### 5.2. Specific hazards arising from the chemical

|                  |                                                                                                                                                                                                                                                                                                             |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fire hazard      | : Flammable liquid and vapour. The vapours are denser than air and may travel along the ground. Distance ignition possible. Agitation can cause build up of electrostatic charge. Vapours may cause fire/explosion if source of ignition is present. In case of fire and/or explosion do not breathe fumes. |
| Explosion hazard | : Vapours may form explosive mixture with air. Prolonged exposure to fire may cause containers to rupture/explode.                                                                                                                                                                                          |

### 5.3. Special protective actions for fire-fighters

|                                |                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautionary measures fire    | : Keep container closed when not in use. This product is not to be used under conditions of poor ventilation.                                                                                                                                                                                                                                 |
| Firefighting instructions      | : Get the package away from the fire if this can be done without risk. Fight fire from a safe distance or use hoses with support or cannon engine. Cool laterally with water containers exposed to flames, even after the fire is extinguished. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Use self-contained breathing apparatus and chemically protective clothing.                                                                                                                                                                                                                                                                  |
| Other information              | : In case of fire, corrosive and harmful gases come free.                                                                                                                                                                                                                                                                                     |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Eliminate every possible source of ignition. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Avoid contact with skin and eyes. May be harmful to aquatic organisms, to flora, to soil organisms. Clean up any spills as soon as possible, using an absorbent material to collect it. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.1. For non-emergency personnel

|                      |                                                                                                                                                                                                                                                               |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment.                                                                                                                                                                                                             |
| Emergency procedures | : No flames, no sparks. Eliminate all sources of ignition. Do not touch or walk on the spilled product. Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene. Notify fire brigade and environmental authorities. |

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### 6.1.2. For emergency responders

Protective equipment

: Use self-contained breathing apparatus and chemically protective clothing. Gloves. Wear security glasses which protect from splashes. Self-contained breathing apparatus. Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product. Corrosionproof suit. Equip cleanup crew with proper protection.

Emergency procedures

: Keep away from combustible material. All equipment used when handling the product must be grounded. Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Toxic to aquatic life with long lasting effects. Do not allow product to spread into the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and materials for containment and cleaning up

For containment

: Stop leak without risks if possible. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up

: Absorb remaining liquid with sand or inert absorbent and remove to safe place. Absorb spilled material with sand or earth. Clean contaminated surfaces with an excess of water. Absorb spillage to prevent material damage. Take up liquid spill into absorbent material.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed

: Flammable vapours may accumulate in the container.

Precautions for safe handling

: Provide adequate ventilation to minimize dust and/or vapour concentrations. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handle carefully. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear personal protective equipment. Obtain special instructions before use. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Do not get in eyes, on skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. Ensure good ventilation of the work station. Keep only in original container. Do not handle until all safety precautions have been read and understood.

Hygiene measures

: Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep cool. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight.

Incompatible materials

: combustible materials.

Packaging materials

: Always store product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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### 8.3. Individual protection measures

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves made of PVC. Nitrile rubber gloves

#### Eye protection:

Wear closed safety glasses

#### Skin and body protection:

Long sleeved protective clothing. Or chemical resistant apron. Safety shoes

#### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Basic physical and chemical properties

|                                                 |                                |
|-------------------------------------------------|--------------------------------|
| Physical state                                  | : Liquid                       |
| Appearance                                      | : Liquid.                      |
| Colour                                          | : Blue                         |
| Odour                                           | : characteristic               |
| Odour threshold                                 | : Not available                |
| pH                                              | : Not applicable               |
| Melting point                                   | : Not available                |
| Freezing point                                  | : Not available                |
| Boiling point                                   | : Not available                |
| Flash point                                     | : 25 °C                        |
| Relative evaporation rate (butylacetate=1)      | : Not available                |
| Flammability                                    | : Not available                |
| Explosive limits                                | : Not available                |
| Vapour pressure                                 | : Not available                |
| Relative vapour density at 20°C                 | : Not available                |
| Relative density                                | : Not available                |
| Density                                         | : 1.5 – 1.601 g/cm³            |
| Solubility                                      | : Material insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                |
| Auto-ignition temperature                       | : Not available                |
| Decomposition temperature                       | : Not available                |
| Viscosity, kinematic                            | : Not available                |
| Viscosity, dynamic                              | : 130 – 140 ku/kg              |
| Particle size                                   | : Not applicable               |
| Particle size distribution                      | : Not applicable               |

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# W-THANE HB/HS 470 T BLUE RAL 5000 A COMPONENT

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|                                |                  |
|--------------------------------|------------------|
| Particle shape                 | : Not applicable |
| Particle aspect ratio          | : Not applicable |
| Particle specific surface area | : Not applicable |

### MIXED XYLENES1330-20-7

|                           |                                |
|---------------------------|--------------------------------|
| Boiling point             | 138 °C Source: ICSC            |
| Flash point               | 30 °C (ASTM D 93)              |
| Auto-ignition temperature | ≥ 528 °C Source: SRC           |
| Vapour pressure           | 8.84 mm Hg at 25°C Source: SRC |

### Nafta solvente (petróleo), aromático leve64742-95-6

|                 |                              |
|-----------------|------------------------------|
| Boiling point   | 135 – 210 °C Source: NLM     |
| Flash point     | < 41 °C Source: IUCLID       |
| Vapour pressure | 8 hPa at 20°C Source: IUCLID |

### 2-methoxy-1-methylethyl acetate108-65-6

|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| Boiling point             | 145.8 °C Atm. press.: 760 mm Hg Decomposition: 'no'                |
| Flash point               | 45.5 °C Atm. press.: 101,3 kPa                                     |
| Auto-ignition temperature | 315 °C Source: International Uniform Chemical Information Database |
| Vapour pressure           | 3.75 mm Hg Source: National Institute of Technology and Evaluation |

### PINE DIPENTENE138-86-3

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Boiling point             | 176 °C Source: Hazardous Substances Data Bank |
| Flash point               | 48 °C                                         |
| Auto-ignition temperature | 245 °C                                        |
| Vapour pressure           | 1.98 mm Hg                                    |

### Quartz(SiO2)14808-60-7

|               |                        |
|---------------|------------------------|
| Boiling point | 2230 °C Source: GESTIS |
|---------------|------------------------|

**naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F)].64742-82-1**

|                 |                                       |
|-----------------|---------------------------------------|
| Boiling point   | -20 – 260 °C Atm. press.: 101,325 kPa |
| Flash point     | < -40 °C Atm. press.: 101,325 other:  |
| Vapour pressure | ≤ 240 kPa Temp.: 37,8 °C              |

### STYRENE MONOMER100-42-5

|                           |                     |
|---------------------------|---------------------|
| Boiling point             | 145 °C Source: ICSC |
| Flash point               | 31 °C Source: ICSC  |
| Auto-ignition temperature | 490 °C Source: ICSC |

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### STYRENE MONOMER100-42-5

|                 |                               |
|-----------------|-------------------------------|
| Vapour pressure | 0.67 kPa at 20°C Source: ICSC |
|-----------------|-------------------------------|

### 2-ETHYLHEXYL ACRYLATE103-11-7

|                           |                                         |
|---------------------------|-----------------------------------------|
| Boiling point             | 213.5 °C Source: ICSC                   |
| Flash point               | 86 °C Source: HSDB                      |
| Auto-ignition temperature | 252 °C Source: ICSC                     |
| Vapour pressure           | 0.178 mm Hg at 25 °C Source: ChemIDplus |

### ISOBUTYL METHACRYLATE97-86-9

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| Boiling point             | 155 °C Source: Corporate Solution From Thomson Micromedex     |
| Flash point               | 49 °C Source: National Institute of Technology and Evaluation |
| Auto-ignition temperature | 390 °C Source: International Chemical Safety Cards            |
| Vapour pressure           | 3.63 mm Hg Source: Corporate Solution From Thomson Micromedex |

### 2-HYDROXYETHYL METACRILATE868-77-9

|                           |                                         |
|---------------------------|-----------------------------------------|
| Boiling point             | 250 °C Source: ICSC                     |
| Flash point               | 97 °C Source: ICSC                      |
| Auto-ignition temperature | 375 °C Source: ECHA                     |
| Vapour pressure           | 0.126 mm Hg at 25 °C Source: ChemIDplus |

### HYDROXYPROPYL METHACRYLATE923-26-2

|                           |                                        |
|---------------------------|----------------------------------------|
| Boiling point             | 219 °C                                 |
| Flash point               | 87 °C                                  |
| Auto-ignition temperature | 52.9 °C                                |
| Vapour pressure           | 0.072 mm Hg at 25°C Source: ChemIDplus |

### ACRYLIC ACID GLACIAL MONOMER79-10-7

|                           |                             |
|---------------------------|-----------------------------|
| Boiling point             | 141 °C Source: ICSC         |
| Flash point               | 50 °C Source: HSDB          |
| Auto-ignition temperature | 395 °C Source: ICSC         |
| Vapour pressure           | 413 Pa at 20°C Source: ICSC |

### TERT-BUTYL PERBENZOATE614-45-9

|                 |                    |
|-----------------|--------------------|
| Boiling point   | 75 – 76 °C         |
| Flash point     | 93 °C Source: HSDB |
| Vapour pressure | 0.33 mm Hg         |

### HEAVY AROMATIC NAPHTHA64742-94-5

|               |              |
|---------------|--------------|
| Boiling point | 174 – 193 °C |
|---------------|--------------|

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### HEAVY AROMATIC NAPHTHA64742-94-5

|                           |                        |
|---------------------------|------------------------|
| Flash point               | ≥ 62 °C Source: IUCLID |
| Auto-ignition temperature | 461 °C                 |
| Vapour pressure           | 4100 Pa Temp.: 25 °C   |

### 9.2. Data relevant with regard to physical hazard classes

No additional information available

### 9.3. Further safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

|                                    |                                                                                                                                                                                                    |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical stability                 | : In use may form flammable/explosive vapour-air mixture.                                                                                                                                          |
| Conditions to avoid                | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with hot surfaces. High temperature. Avoid formation of vapours.                    |
| Hazardous decomposition products   | : May liberate toxic gases. On exposure to high temperature, may decompose, releasing corrosive gases.                                                                                             |
| Incompatible materials             | : Materiais plásticos solúveis em Xileno. Não armazenar com materiais explosivos, gases inflamáveis e/ou tóxicos, substâncias oxidantes, corrosivas e materiais que possam. Combustible materials. |
| Possibility of hazardous reactions | : Liquids/vapours may ignite or react with other materials.                                                                                                                                        |
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport.                                                                                                               |
| Handling temperature               | : No additional information available                                                                                                                                                              |

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                                        |
|-----------------------------|----------------------------------------|
| Acute toxicity (oral)       | : Not available                        |
| Acute toxicity (dermal)     | : May be harmful in contact with skin. |
| Acute toxicity (inhalation) | : Not available                        |

### W-THANE HB/HS 470 T BLUE RAL 5000 A COMPONENT

|                 |                           |
|-----------------|---------------------------|
| ATE BR (dermal) | 3381.261 mg/kg bodyweight |
|-----------------|---------------------------|

### MIXED XYLENES (1330-20-7)

|                             |                                                         |
|-----------------------------|---------------------------------------------------------|
| LD50 oral rat               | 3523 mg/kg Source: ECHA                                 |
| LD50 dermal rabbit          | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male |
| LC50 Inhalation - Rat [ppm] | 5922 ppm                                                |

### Nafta solvente (petróleo), aromático leve (64742-95-6)

|                                 |                           |
|---------------------------------|---------------------------|
| LD50 oral rat                   | 8400 mg/kg Source: RTECS  |
| LD50 dermal rat                 | > 2000 mg/kg Source: ECHA |
| LD50 dermal rabbit              | > 2000 mg/kg              |
| LC50 Inhalation - Rat (Vapours) | 5.16 mg/l Source: ECHA    |

### 2-methoxy-1-methylethyl acetate (108-65-6)

|                 |                                                                                      |
|-----------------|--------------------------------------------------------------------------------------|
| LD50 oral rat   | 8532 mg/kg Source: International Uniform Chemical Information Database               |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 |

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### 2-methoxy-1-methylethyl acetate (108-65-6)

|                    |                                                                          |
|--------------------|--------------------------------------------------------------------------|
|                    | (Acute Dermal Toxicity)                                                  |
| LD50 dermal rabbit | > 5000 mg/kg Source: International Uniform Chemical Information Database |

### PINE DIPENTENE (138-86-3)

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| LD50 oral rat      | 5300 mg/kg Source: Chemidplus                                                  |
| LD50 dermal rabbit | 5000 mg/kg Source: National Library of Medicine/Hazardous Substances Data Bank |

**naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).] (64742-82-1)**

|                    |                                                                                          |
|--------------------|------------------------------------------------------------------------------------------|
| LD50 oral rat      | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit | > 3160 mg/kg Source: IUCLID                                                              |

### STYRENE MONOMER (100-42-5)

|                                 |                                                                   |
|---------------------------------|-------------------------------------------------------------------|
| LD50 oral rat                   | 5000 mg/kg Source: ECHA                                           |
| LD50 oral                       | > 6000 mg/kg bodyweight Animal: hamster, Syrian, Animal sex: male |
| LD50 dermal rat                 | > 2000 mg/kg Source: ECHA                                         |
| LC50 Inhalation - Rat (Vapours) | 11.8 mg/l Source: ECHA                                            |

### 2-ETHYLHEXYL ACRYLATE (103-11-7)

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| LD50 oral rat      | 4000 – 6000 mg/kg Source: OECD Screening Information Data Set |
| LD50 dermal rabbit | > 10000 mg/kg Source: OECD Screening Information Data Set     |

### 2-HYDROXYETHYL METACRILATE (868-77-9)

|                    |                                                          |
|--------------------|----------------------------------------------------------|
| LD50 oral rat      | > 4000 mg/kg Source: OECD Screening Information Data Set |
| LD50 dermal rabbit | > 3000 mg/kg Source: OECD Screening Information Data Set |

### ACRYLIC ACID GLACIAL MONOMER (79-10-7)

|                    |                 |
|--------------------|-----------------|
| LD50 oral rat      | 146 – 468 mg/kg |
| LD50 dermal rabbit | 640 mg/kg       |

### TERT-BUTYL PERBENZOATE (614-45-9)

|                       |            |
|-----------------------|------------|
| LD50 oral rat         | 1012 mg/kg |
| LC50 Inhalation - Rat | 1.01 g/m³  |

### HEAVY AROMATIC NAPHTHA (64742-94-5)

|                                   |                                                                                                               |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------|
| LD50 oral rat                     | > 5000 mg/kg Source: IUCLID                                                                                   |
| LD50 dermal rat                   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other: |
| LD50 dermal rabbit                | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity)                   |
| LC50 Inhalation - Rat (Dust/Mist) | > 0.59 mg/l Source: RTECS                                                                                     |

Skin corrosion/irritation : Causes skin irritation.  
pH: Not applicable

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### MIXED XYLENES (1330-20-7)

|    |   |
|----|---|
| pH | 7 |
|----|---|

### Quartz(SiO2) (14808-60-7)

|    |   |
|----|---|
| pH | 7 |
|----|---|

### HYDROXYPROPYL METHACRYLATE (923-26-2)

|    |   |
|----|---|
| pH | 6 |
|----|---|

Serious eye damage/irritation : Causes serious eye irritation.  
pH: Not applicable

### MIXED XYLENES (1330-20-7)

|    |   |
|----|---|
| pH | 7 |
|----|---|

### Quartz(SiO2) (14808-60-7)

|    |   |
|----|---|
| pH | 7 |
|----|---|

### HYDROXYPROPYL METHACRYLATE (923-26-2)

|    |   |
|----|---|
| pH | 6 |
|----|---|

Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : May cause genetic defects.  
Carcinogenicity : May cause cancer.

### MIXED XYLENES (1330-20-7)

|            |                      |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

### Quartz(SiO2) (14808-60-7)

|            |                            |
|------------|----------------------------|
| IARC group | 1 - Carcinogenic to humans |
|------------|----------------------------|

### STYRENE MONOMER (100-42-5)

|            |                                      |
|------------|--------------------------------------|
| IARC group | 2B - Possibly carcinogenic to humans |
|------------|--------------------------------------|

### 2-ETHYLHEXYL ACRYLATE (103-11-7)

|            |                      |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

### ACRYLIC ACID GLACIAL MONOMER (79-10-7)

|            |                      |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

### HEAVY AROMATIC NAPHTA (64742-94-5)

|                           |                                                                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOAEL (animal/male, F0/P) | 35 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                             |                                                                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOAEL (animal/female, F0/P) | 125 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Reproductive toxicity : Suspected of damaging fertility or the unborn child.  
STOT-single exposure : May cause respiratory irritation.

### MIXED XYLENES (1330-20-7)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

### Nafta solvente (petróleo), aromático leve (64742-95-6)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

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### STYRENE MONOMER (100-42-5)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

### 2-ETHYLHEXYL ACRYLATE (103-11-7)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

### ISOBUTYL METHACRYLATE (97-86-9)

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

### MIXED XYLENES (1330-20-7)

|                            |                                                                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
|------------------------|--------------------------------------------------------------------|

### 2-methoxy-1-methylethyl acetate (108-65-6)

|                                     |                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| NOAEL (dermal, rat/rabbit, 90 days) | > 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study) |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|

**naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).] (64742-82-1)**

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |
|------------------------|-----------------------------------------------------------------|

### STYRENE MONOMER (100-42-5)

|                            |                                   |
|----------------------------|-----------------------------------|
| LOAEL (oral, rat, 90 days) | 2000 mg/kg bodyweight Animal: rat |
|----------------------------|-----------------------------------|

|                                          |                                                                                                                |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| LOAEC (inhalation, rat, vapour, 90 days) | 0.21 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------|

|                            |                                   |
|----------------------------|-----------------------------------|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight Animal: rat |
|----------------------------|-----------------------------------|

|                                                |                                                     |
|------------------------------------------------|-----------------------------------------------------|
| NOAEL (subchronic, oral, animal/male, 90 days) | 10 mg/kg bodyweight Animal: mouse, Animal sex: male |
|------------------------------------------------|-----------------------------------------------------|

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |
|------------------------|-----------------------------------------------------------------|

### HEAVY AROMATIC NAPHTA (64742-94-5)

|                                          |                                                                                                     |
|------------------------------------------|-----------------------------------------------------------------------------------------------------|
| LOAEC (inhalation, rat, vapour, 90 days) | 4.71 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study) |
|------------------------------------------|-----------------------------------------------------------------------------------------------------|

|                                          |                                                                                                      |
|------------------------------------------|------------------------------------------------------------------------------------------------------|
| NOAEC (inhalation, rat, vapour, 90 days) | 2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study) |
|------------------------------------------|------------------------------------------------------------------------------------------------------|

Aspiration hazard : May be fatal if swallowed and enters airways.

### W-THANE HB/HS 470 T BLUE RAL 5000 A COMPONENT

|                      |                     |
|----------------------|---------------------|
| Viscosity, kinematic | 2.452 – 2.819 mm²/s |
|----------------------|---------------------|

### MIXED XYLENES (1330-20-7)

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Viscosity, kinematic | ≈ 0.76 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)' |
|----------------------|------------------------------------------------------------------------|

### Nafta solvente (petróleo), aromático leve (64742-95-6)

|                      |                                                                       |
|----------------------|-----------------------------------------------------------------------|
| Viscosity, kinematic | < 1 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)' |
|----------------------|-----------------------------------------------------------------------|

### 2-methoxy-1-methylethyl acetate (108-65-6)

|                      |             |
|----------------------|-------------|
| Viscosity, kinematic | 1.182 mm²/s |
|----------------------|-------------|

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naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).] (64742-82-1)

|                      |                                                                       |
|----------------------|-----------------------------------------------------------------------|
| Viscosity, kinematic | < 1 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)' |
|----------------------|-----------------------------------------------------------------------|

### STYRENE MONOMER (100-42-5)

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Viscosity, kinematic | 0.77 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)' |
|----------------------|------------------------------------------------------------------------|

### 2-ETHYLHEXYL ACRYLATE (103-11-7)

|                      |             |
|----------------------|-------------|
| Viscosity, kinematic | 1.966 mm²/s |
|----------------------|-------------|

## 11.2. Most important symptoms and effects, both acute and delayed

|                                     |                                                                                                                                                                                                                          |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : May cause damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. May be fatal if swallowed and enters airways. |
| Symptoms/effects after inhalation   | : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).                                                                                                                                     |
| Symptoms/effects after skin contact | : May be harmful in contact with skin. Causes skin irritation. irritation (itching, redness, blistering). Cracking of the skin. Prolonged or repeated contact may cause skin to become dry.                              |
| Symptoms/effects after eye contact  | : stinging. Redness. Causes serious eye irritation. redness, itching, tears.                                                                                                                                             |
| Symptoms/effects after ingestion    | : May cause irritation to the digestive tract. Risk of lung oedema.                                                                                                                                                      |
| Chronic symptoms                    | : May cause cancer. May cause heritable genetic damage. Suspected of damaging fertility. Suspected of damaging the unborn child.                                                                                         |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                           |
|-----------------------------------------------------------|---------------------------------------------------------------------------|
| Ecology - general                                         | : Toxic to aquatic life with long lasting effects. Toxic to aquatic life. |
| Hazardous to the aquatic environment, short-term (acute)  | : Toxic to aquatic life.                                                  |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects.                        |

### MIXED XYLENES1330-20-7

|                      |                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | 2.6 mg/l Source: ECHA                                                                                      |
| EC50 - Crustacea [1] | 3.4 mg/l Test organisms (species): Ceriodaphnia dubia                                                      |
| ErC50 algae          | 2.2 mg/l                                                                                                   |
| LOEC (chronic)       | 3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                         |
| NOEC chronic fish    | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d' |

### Nafta solvente (petróleo), aromático leve64742-95-6

|                      |                          |
|----------------------|--------------------------|
| LC50 - Fish [1]      | 9.22 mg/l Source: IUCLID |
| EC50 - Crustacea [1] | 6.14 mg/l Source: IUCLID |
| EC50 72h - Algae [1] | 19 mg/l Source: IUCLID   |

### 2-methoxy-1-methylethyl acetate108-65-6

|                      |                                                    |
|----------------------|----------------------------------------------------|
| LC50 - Fish [1]      | 100 mg/l Test organisms (species): Oryzias latipes |
| EC50 - Crustacea [1] | 500 mg/l Test organisms (species): Daphnia magna   |

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# W-THANE HB/HS 470 T BLUE RAL 5000 A COMPONENT

12800173

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According to ABNT NBR 14725: 2023

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### 2-methoxy-1-methylethyl acetate108-65-6

|                      |                                                                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| EC50 72h - Algae [1] | 1000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| NOEC (chronic)       | ≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                       |
| NOEC chronic fish    | 47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'                                                                      |

### PINE DIPENTENE138-86-3

|                      |                                                                |
|----------------------|----------------------------------------------------------------|
| LC50 - Fish [1]      | 38.5 mg/l Source: HSDB                                         |
| EC50 - Crustacea [1] | 17 mg/l Source: The ECOTOXicology database                     |
| EC50 96h - Algae [1] | 0.212 mg/l Source: Ecological Structure Activity Relationships |

**naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F)].64742-82-1**

|                                    |                         |
|------------------------------------|-------------------------|
| LC50 - Other aquatic organisms [1] | 4.3 mg/l Source: IUCLID |
|------------------------------------|-------------------------|

### STYRENE MONOMER100-42-5

|                      |                                                                                                                                          |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | 10 mg/l Source: ECHA                                                                                                                     |
| EC50 - Crustacea [1] | 4.7 mg/l Source: ECHA                                                                                                                    |
| EC50 72h - Algae [1] | 4.9 mg/l Source: ECHA                                                                                                                    |
| EC50 96h - Algae [1] | 6.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| LOEC (chronic)       | 2.06 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                       |
| NOEC (chronic)       | 1.01 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                       |

### 2-ETHYLHEXYL ACRYLATE103-11-7

|                      |                                                                     |
|----------------------|---------------------------------------------------------------------|
| LC50 - Fish [1]      | 1.8 mg/l Source: OECD Screening Information Data Set                |
| EC50 - Crustacea [1] | 1.3 mg/l Source: OECD Screening Information Data Set                |
| EC50 72h - Algae [1] | 44 mg/l Source: International Uniform Chemical Information Database |

### ISOBUTYL METHACRYLATE97-86-9

|                      |                                                                       |
|----------------------|-----------------------------------------------------------------------|
| LC50 - Fish [1]      | 20 mg/l Source: International Uniform Chemical Information Database   |
| EC50 - Crustacea [1] | 23 mg/l Source: International Uniform Chemical Information Database   |
| EC50 96h - Algae [1] | 0.29 mg/l Source: International Uniform Chemical Information Database |

### 2-HYDROXYETHYL METACRYLATE868-77-9

|                      |                                                        |
|----------------------|--------------------------------------------------------|
| LC50 - Fish [1]      | > 100 mg/l Source: OECD Screening Information Data Set |
| EC50 - Crustacea [1] | 380 mg/l Source: OECD Screening Information Data Set   |
| EC50 72h - Algae [1] | 345 mg/l Source: OECD Screening Information Data Set   |

### HYDROXYPROPYL METHACRYLATE923-26-2

|                 |                                                                  |
|-----------------|------------------------------------------------------------------|
| LC50 - Fish [1] | 157.065 mg/l Source: Ecological Structure Activity Relationships |
|-----------------|------------------------------------------------------------------|

### ACRYLIC ACID GLACIAL MONOMER79-10-7

|                      |                      |
|----------------------|----------------------|
| LC50 - Fish [1]      | 27 mg/l Source: ECHA |
| EC50 - Crustacea [1] | 95 mg/l Source: ECHA |

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| ACRYLIC ACID GLACIAL MONOMER79-10-7 |                                                                                          |
|-------------------------------------|------------------------------------------------------------------------------------------|
| EC50 96h - Algae [1]                | 0.13 mg/l Source: ECHA                                                                   |
| TERT-BUTYL PERBENZOATE614-45-9      |                                                                                          |
| LC50 - Fish [1]                     | 0.402 mg/l Source: ECOSAR                                                                |
| EC50 - Crustacea [1]                | 11 mg/l                                                                                  |
| ErC50 algae                         | 0.8 mg/l                                                                                 |
| NOEC chronic fish                   | 0.101 mg/l                                                                               |
| NOEC chronic algae                  | 0.44 mg/l                                                                                |
| HEAVY AROMATIC NAPHTHA64742-94-5    |                                                                                          |
| LC50 - Fish [1]                     | 0.58 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1]                | 0.76 mg/l Test organisms (species): Daphnia magna                                        |
| EC50 - Other aquatic organisms [1]  | 2.9 mg/l Test organisms (species): other:                                                |
| LC50 - Fish [2]                     | 6.1 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)  |
| EC50 72h - Algae [1]                | 2.5 mg/l Source: IUCLID                                                                  |

### 12.2. Persistence and degradability

| W-THANE HB/HS 470 T BLUE RAL 5000 A COMPONENT                                                                                                                                                                                                                                                                                                                                         |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Persistence and degradability                                                                                                                                                                                                                                                                                                                                                         | Not rapidly degradable |
| MIXED XYLENES1330-20-7                                                                                                                                                                                                                                                                                                                                                                |                        |
| Persistence and degradability                                                                                                                                                                                                                                                                                                                                                         | Not rapidly degradable |
| Nafta solvente (petróleo), aromático leve64742-95-6                                                                                                                                                                                                                                                                                                                                   |                        |
| Persistence and degradability                                                                                                                                                                                                                                                                                                                                                         | Not rapidly degradable |
| 2-methoxy-1-methylethyl acetate108-65-6                                                                                                                                                                                                                                                                                                                                               |                        |
| Persistence and degradability                                                                                                                                                                                                                                                                                                                                                         | Not rapidly degradable |
| PINE DIPENTENE138-86-3                                                                                                                                                                                                                                                                                                                                                                |                        |
| Persistence and degradability                                                                                                                                                                                                                                                                                                                                                         | Not rapidly degradable |
| Quartz(SiO2)14808-60-7                                                                                                                                                                                                                                                                                                                                                                |                        |
| Persistence and degradability                                                                                                                                                                                                                                                                                                                                                         | Not rapidly degradable |
| <b>naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).]64742-82-1</b> |                        |
| Persistence and degradability                                                                                                                                                                                                                                                                                                                                                         | Not rapidly degradable |
| STYRENE MONOMER100-42-5                                                                                                                                                                                                                                                                                                                                                               |                        |
| Persistence and degradability                                                                                                                                                                                                                                                                                                                                                         | Not rapidly degradable |
| 2-ETHYLHEXYL ACRYLATE103-11-7                                                                                                                                                                                                                                                                                                                                                         |                        |
| Persistence and degradability                                                                                                                                                                                                                                                                                                                                                         | Not rapidly degradable |

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| ISOBUTYL METHACRYLATE97-86-9        |                        |
|-------------------------------------|------------------------|
| Persistence and degradability       | Not rapidly degradable |
| 2-HYDROXYETHYL METACRILATE868-77-9  |                        |
| Persistence and degradability       | Not rapidly degradable |
| HYDROXYPROPYL METHACRYLATE923-26-2  |                        |
| Persistence and degradability       | Not rapidly degradable |
| ACRYLIC ACID GLACIAL MONOMER79-10-7 |                        |
| Persistence and degradability       | Not rapidly degradable |
| TERT-BUTYL PERBENZOATE614-45-9      |                        |
| Persistence and degradability       | Not rapidly degradable |
| HEAVY AROMATIC NAPHTHA64742-94-5    |                        |
| Persistence and degradability       | Not rapidly degradable |

### 12.3. Bioaccumulative potential

| MIXED XYLENES1330-20-7                                                                                                                                                                                                                                                                                                                                                         |                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                                                                                                | 3.15 Source: HSDB                                                |
| Nafta solvente (petróleo), aromático leve64742-95-6                                                                                                                                                                                                                                                                                                                            |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                                                                                                | 2.1 – 6 Source: IUCLID                                           |
| 2-methoxy-1-methylethyl acetate108-65-6                                                                                                                                                                                                                                                                                                                                        |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                                                                                                | 0.43 Source: International Uniform Chemical Information Database |
| PINE DIPENTENE138-86-3                                                                                                                                                                                                                                                                                                                                                         |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                                                                                                | 4.57 Source: Hazardous Substances Data Bank                      |
| naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446 °F).]64742-82-1 |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                                                                                                | 2.1 – 6 Source: IUCLID                                           |
| STYRENE MONOMER100-42-5                                                                                                                                                                                                                                                                                                                                                        |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                                                                                                | 2.95 Source: HSDB, ChemIDplus                                    |
| 2-ETHYLHEXYL ACRYLATE103-11-7                                                                                                                                                                                                                                                                                                                                                  |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                                                                                                | 3.67 Source: ICSC                                                |
| ISOBUTYL METHACRYLATE97-86-9                                                                                                                                                                                                                                                                                                                                                   |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                                                                                                | 2.95 Source: OECD Screening Information Data Set                 |
| 2-HYDROXYETHYL METACRILATE868-77-9                                                                                                                                                                                                                                                                                                                                             |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                                                                                                | 0.42 Source: ICSC                                                |
| HYDROXYPROPYL METHACRYLATE923-26-2                                                                                                                                                                                                                                                                                                                                             |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                                                                                                                                                                                                                                                                                                                                | 0.97 Source: ChemIDplus                                          |

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### ACRYLIC ACID GLACIAL MONOMER79-10-7

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.36 Source: ICSC |
|-------------------------------------------------|-------------------|

### TERT-BUTYL PERBENZOATE614-45-9

|                                                 |      |
|-------------------------------------------------|------|
| Partition coefficient n-octanol/water (Log Pow) | 2.89 |
|-------------------------------------------------|------|

### HEAVY AROMATIC NAPHTA64742-94-5

|                                                 |                          |
|-------------------------------------------------|--------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.9 – 6.1 Source: IUCLID |
|-------------------------------------------------|--------------------------|

## 12.4. Mobility in soil

### 2-ETHYLHEXYL ACRYLATE103-11-7

|                  |       |
|------------------|-------|
| Mobility in soil | 54954 |
|------------------|-------|

### ACRYLIC ACID GLACIAL MONOMER79-10-7

|                  |                      |
|------------------|----------------------|
| Mobility in soil | 6 – 137 Source: ECHA |
|------------------|----------------------|

## 12.5. Other adverse effects

Hazardous to the ozone layer : Not available

## SECTION 13: Disposal considerations

|                                            |                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------|
| Waste treatment methods                    | : Must follow special treatment according to local regulation.                       |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                           |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                           |
| Additional information                     | : Flammable vapours may accumulate in the container. Do not re-use empty containers. |

## SECTION 14: Transport information

### 14.1 National and international Regulations

In accordance with IMDG / IATA / ANTT

| ANTT                                  | IMDG                                                                          | IATA                  |
|---------------------------------------|-------------------------------------------------------------------------------|-----------------------|
| <b>UN number</b>                      |                                                                               |                       |
| 1263                                  | 1263                                                                          | 1263                  |
| <b>UN Proper Shipping Name</b>        |                                                                               |                       |
| TINTA                                 | PAINT                                                                         | Paint                 |
| <b>Transport document description</b> |                                                                               |                       |
| Not applicable                        | UN 1263 PAINT, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (25°C c.c.) | UN 1263 Paint, 3, III |
| <b>Transport hazard class(es)</b>     |                                                                               |                       |
| 3                                     | 3                                                                             | 3                     |
| <b>Danger labels</b>                  |                                                                               |                       |
| 3                                     | 3                                                                             | 3                     |

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|                                                                                   |                                                                                                                                                                        |                                                                                     |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <br> |  |
| <b>Subsidiary risk</b>                                                            |                                                                                                                                                                        |                                                                                     |
| Not applicable                                                                    | Not applicable                                                                                                                                                         | Not applicable                                                                      |
| <b>Risk Number</b>                                                                |                                                                                                                                                                        |                                                                                     |
| 30                                                                                | Not applicable                                                                                                                                                         | Not applicable                                                                      |
| <b>Packing group</b>                                                              |                                                                                                                                                                        |                                                                                     |
| III                                                                               | III                                                                                                                                                                    | III                                                                                 |
| <b>Special provisions</b>                                                         |                                                                                                                                                                        |                                                                                     |
| 163,223,367                                                                       | 163,223,367,955                                                                                                                                                        | A3,A72,A192                                                                         |
| <b>Dangerous for the environment</b>                                              |                                                                                                                                                                        |                                                                                     |
| Yes                                                                               | Yes                                                                                                                                                                    | Yes                                                                                 |

### 14.2 Other informations

No additional information available

## SECTION 15: Regulatory information

### 15.1. National regulations

Brazil Local Regulations

: Standard ABNT NBR 14725.  
Federal Decree no. 10.088, of 5 November 2019 – Promulgates Convention no. 170 of the WLO, relating to Safety in the Use of Chemicals in the Workplace, ratified by the Federative Republic of Brazil.  
Ministerial Order no. 2.770, of 5 September 2022 – Approves the new wording of Regulatory Standard No. 26  
Federal Decree no. 96.044, of 18 May 1988 - Approves Regulations for Road Transportation of Hazardous Materials  
Resolution no. 5998, of 03 November 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.  
Law No. 12.305, of August 2, 2010 (National Policy on Solid Waste)

## SECTION 16: Other information

Abbreviations and acronyms

: CAS-No. - Chemical Abstracts Service number  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
BCF - Bioconcentration factor  
EC50 - Median effective concentration  
LC50 - Median lethal concentration  
VOC - Volatile Organic Compounds  
LD50 - Median lethal dose

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DMEL - Derived Minimal Effect level  
DNEL - Derived-No Effect Level  
COD - Chemical oxygen demand (COD)  
ATE - Acute Toxicity Estimate  
IMDG - International Maritime Dangerous Goods  
IATA - International Air Transport Association  
EC-No. - European Community number  
vPvB - Very Persistent and Very Bioaccumulative  
WGK - Water Hazard Class  
IOELV - Indicative Occupational Exposure Limit Value  
BLV - Biological limit value  
TRGS - Technical Rules for Hazardous Substances  
TLM - Median Tolerance Limit  
IARC - International Agency for Research on Cancer

Important information, but not specifically described in the previous sections: This MSDS was prepared based on current knowledge about the handling of the product under normal conditions of use, according to the application specified on the packaging and recommended usage in Section 1 of this MSDS. Any other use of the product involving its combination with other materials, as well as forms of use different from those indicated, are the user's responsibility. The company advises that the handling of any chemical substance requires prior knowledge of its hazards by the user. In the workplace it is responsibility of the company user of the product to provide training of its employees and contractors about the possible risks arising from exposure to the chemical. We reserve the right to change the information contained in this document without prior notice, due to the improvement and continuous evolution of the product and technical knowledge.

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