

# W-THANE HPD 50 2 T ORANGE RAL 2000 A COMPONENT

## Safety Data Sheet

According to ABNT NBR 14725: 2023

Issue date: 4/29/2025 Revision date: 1/29/2026 Version: 2.0



### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : W-THANE HPD 50 2 T ORANGE RAL 2000 A COMPONENT  
Product code : 13806012  
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 1A  
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation  
Specific target organ toxicity — Repeated exposure, Category 2  
Hazardous to the aquatic environment - Acute Hazard, Category 1  
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  
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.  
H360 - May damage fertility or the unborn child.  
H373 - May cause damage to organs through prolonged or repeated exposure.  
H400 - Very toxic to aquatic life  
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.  
P241 - Use explosion-proof equipment.

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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.  
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).  
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 |
| 2-methoxy-1-methylethyl acetate | CAS-No.: 108-65-6      | 10 – 20       | Flam. Liq. 3, H226<br>Acute Tox. 5 (Dermal), H313<br>Aquatic Acute 3, H402                                                                                                                                                                                                                        |

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|-------------------------------------------------|------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| n-butyl acetate                                 | CAS-No.: 123-86-4      | 5 – 10        | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>Aquatic Acute 3, H402<br>Aquatic Chronic 3, H412                                                                                                                                                                                                                               |
| 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                                                                                                                                                     |
| LEAD SULFOCHROMATE YELLOW                       | CAS-No.: 1344-37-2     | 5 – 10        | Carc. 1B, H350<br>Repr. 1A, H360<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                         |
| INORGANIC PIGMENT CADMIUM SULPHOSELENETE ORANGE | CAS-No.: 8048-07-5     | 1 – 5         | Acute Tox. 5 (Oral), H303                                                                                                                                                                                                                                                                                               |
| 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. (% w/w) | Classification according to GHS BR (ABNT NBR 14725: 2023)                                                                                                                                                                                 |
|------------------------------------------------------|------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                      |                        |               | Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412                                                                                                                                                                    |
| trizinc bis(orthophosphate)                          | CAS-No.: 7779-90-0     | 0.5 – 1       | STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                                                                                                                                                       |
| BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE     | CAS-No.: 41556-26-7    | 0.5 – 1       | Flam. Liq. 4, H227<br>Acute Tox. 5 (Oral), H303<br>Skin Sens. 1, H317<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 |
| METIL AND 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE | CAS-No.: 82919-37-7    | 0.1 – 0.25    | Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                                                                                                                                                    |
| Nafta solvente (petróleo), aromático leve            | CAS-No.: 64742-95-6    | 0.1 – 0.25    | 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            |

## 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. Rinse mouth out with water.                                                                                                                                                                                                                        |

### 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 allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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|                                     |                                                                                                                                                                                             |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                                                                              |
| Chronic symptoms                    | : May cause cancer. May cause heritable genetic damage. May damage fertility. May damage 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. |

#### 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 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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### Emergency procedures

- impervious protective suits, gloves, and boots must be worn to prevent any contact with the product. Corrosionproof suit. Equip cleanup crew with proper protection.
- : 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. Very toxic to aquatic life. 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.

### 8.3. Individual protection measures

#### Personal protective equipment:

Wear recommended personal protective equipment.

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### 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                                          | : Orange                       |
| Odour                                           | : Not available                |
| Odour threshold                                 | : Not available                |
| pH                                              | : Not applicable               |
| Melting point                                   | : Not available                |
| Freezing point                                  | : Not available                |
| Boiling point                                   | : Not available                |
| Flash point                                     | : 31 °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                                         | : 1.07 – 1.17 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                            | : 50 – 60 CF4                  |
| Particle size                                   | : Not applicable               |
| Particle size distribution                      | : Not applicable               |
| Particle shape                                  | : Not applicable               |
| Particle aspect ratio                           | : Not applicable               |
| Particle specific surface area                  | : Not applicable               |

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E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

# W-THANE HPD 50 2 T ORANGE RAL 2000 A COMPONENT

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### 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 |

### 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 |

### STYRENE MONOMER100-42-5

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

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Buenos Aires – Argentina | Atotonilco de Tula - México

E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

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### 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: HSDS |
| Vapour pressure | 0.33 mm Hg         |

### BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE41556-26-7

|                 |                                                                                  |
|-----------------|----------------------------------------------------------------------------------|
| Boiling point   | > 350 °C at 1013 hPa Source: International Uniform Chemical Information Database |
| Flash point     | 92 °C Source: International Uniform Chemical Information Database                |
| Vapour pressure | 0.000001 mm Hg at 20°C Source: National Institute of Technology and Evaluation   |

### n-butyl acetate123-86-4

|                           |                                 |
|---------------------------|---------------------------------|
| Boiling point             | 126.2 °C Atm. press.: 1013 hPa  |
| Flash point               | 27 °C Atm. press.: 1013 hPa     |
| Auto-ignition temperature | 420 °C Source: ICSC             |
| Vapour pressure           | 11.5 mm Hg at 25°C Source: hSDB |

## 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.     |

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E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

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|                                    |                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------|
| Possibility of hazardous reactions | : Combustible materials.                                                             |
| Reactivity                         | : Liquids/vapours may ignite or react with other materials.                          |
| Handling temperature               | : The product is non-reactive under normal conditions of use, storage and transport. |
|                                    | : 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 HPD 50 2 T ORANGE RAL 2000 A COMPONENT              |                                                                                                              |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| ATE BR (dermal)                                             | 3276.32 mg/kg bodyweight                                                                                     |
| 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 (Acute Dermal Toxicity) |
| LD50 dermal rabbit                                          | > 5000 mg/kg Source: International Uniform Chemical Information Database                                     |
| 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                                                                                       |
| LEAD SULFOCHROMATE YELLOW (1344-37-2)                       |                                                                                                              |
| LD50 oral rat                                               | > 10000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)                    |
| INORGANIC PIGMENT CADMIUM SULPHOSELENATE ORANGE (8048-07-5) |                                                                                                              |
| LD50 oral rat                                               | > 2000 mg/kg bodyweight                                                                                      |
| 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                                                    |

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E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

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### 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  |

### BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE (41556-26-7)

|               |                                                                               |
|---------------|-------------------------------------------------------------------------------|
| LD50 oral rat | 2369 – 3920 mg/kg Source: International Uniform Chemical Information Database |
|---------------|-------------------------------------------------------------------------------|

### trizinc bis(orthophosphate) (7779-90-0)

|                       |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| LD50 oral rat         | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LC50 Inhalation - Rat | > 5700 mg/m³ Source: ECHA                                                                |

### n-butyl acetate (123-86-4)

|                                 |                            |
|---------------------------------|----------------------------|
| LD50 oral rat                   | 3200 ml/kg Source: ECHA    |
| LD50 dermal rabbit              | > 17600 mg/kg Source: ECHA |
| LC50 Inhalation - Rat (Vapours) | 1802 mg/l Source: ECHA     |

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

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

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

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

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

### n-butyl acetate (123-86-4)

|    |                                         |
|----|-----------------------------------------|
| pH | 6.2 Temp.: 20 °C Concentration: 5,3 g/L |
|----|-----------------------------------------|

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

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

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

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

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

### n-butyl acetate (123-86-4)

|    |                                         |
|----|-----------------------------------------|
| pH | 6.2 Temp.: 20 °C Concentration: 5,3 g/L |
|----|-----------------------------------------|

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

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E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

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

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

### 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 |
|------------|----------------------|

Reproductive toxicity : May damage 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. |
|----------------------|-----------------------------------|

### 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. |
|----------------------|-----------------------------------|

### n-butyl acetate (123-86-4)

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

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) |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|

### 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. |
|------------------------|--------------------------------------------------------------------|

### LEAD SULFOCHROMATE YELLOW (1344-37-2)

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| STOT-repeated exposure | May cause 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 |
|------------------------------------------------|-----------------------------------------------------|

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E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

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| STYRENE MONOMER (100-42-5)              |                                                                                                                         |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| STOT-repeated exposure                  | Causes damage to organs through prolonged or repeated exposure.                                                         |
| trizinc bis(orthophosphate) (7779-90-0) |                                                                                                                         |
| LOAEL (oral, rat, 90 days)              | 53.8 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)  |
| NOAEL (oral, rat, 90 days)              | 31.52 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| STOT-repeated exposure                  | May cause damage to organs through prolonged or repeated exposure.                                                      |
| n-butyl acetate (123-86-4)              |                                                                                                                         |
| LOAEL (oral, rat, 90 days)              | 500 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)                         |
| NOAEL (oral, rat, 90 days)              | 125 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)                         |

Aspiration hazard : Not classified.

| W-THANE HPD 50 2 T ORANGE RAL 2000 A COMPONENT         |                                                                        |
|--------------------------------------------------------|------------------------------------------------------------------------|
| Viscosity, kinematic                                   | 200 – 240 mm²/s                                                        |
| 2-methoxy-1-methylethyl acetate (108-65-6)             |                                                                        |
| Viscosity, kinematic                                   | 1.182 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)'  |
| 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                                                            |
| n-butyl acetate (123-86-4)                             |                                                                        |
| Viscosity, kinematic                                   | 0.83 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in 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.                  |
| 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.                                                                                                                                              |
| Chronic symptoms                    | : May cause cancer. May cause heritable genetic damage. May damage fertility. May damage the unborn child.                                                                                  |

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E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

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### SECTION 12: Ecological information

#### 12.1. Toxicity

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

##### 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                                                                                          |
| 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'                                                                      |

##### 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   |

##### LEAD SULFOCHROMATE YELLOW1344-37-2

|                      |                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | > 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)             |
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna                                                    |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| NOEC (chronic)       | 0.7 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                     |

##### INORGANIC PIGMENT CADMIUM SULPHOSELENETE ORANGE8048-07-5

|                 |                        |
|-----------------|------------------------|
| LC50 - Fish [1] | 1000 mg/l Source: ECHA |
| ErC50 algae     | 0.37 mg/l Source: ECHA |

##### 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: |

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|                                                                       |                                                                       |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>STYRENE MONOMER100-42-5</b>                                        |                                                                       |
|                                                                       | 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'    |
| <b>2-ETHYLHEXYL ACRYLATE103-11-7</b>                                  |                                                                       |
| 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   |
| <b>ISOBUTYL METHACRYLATE97-86-9</b>                                   |                                                                       |
| 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 |
| <b>2-HYDROXYETHYL METACRYLATE868-77-9</b>                             |                                                                       |
| 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                  |
| <b>HYDROXYPROPYL METHACRYLATE923-26-2</b>                             |                                                                       |
| LC50 - Fish [1]                                                       | 157.065 mg/l Source: Ecological Structure Activity Relationships      |
| <b>ACRYLIC ACID GLACIAL MONOMER79-10-7</b>                            |                                                                       |
| LC50 - Fish [1]                                                       | 27 mg/l Source: ECHA                                                  |
| EC50 - Crustacea [1]                                                  | 95 mg/l Source: ECHA                                                  |
| EC50 96h - Algae [1]                                                  | 0.13 mg/l Source: ECHA                                                |
| <b>TERT-BUTYL PERBENZOATE614-45-9</b>                                 |                                                                       |
| 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                                                             |
| <b>BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE41556-26-7</b>     |                                                                       |
| LC50 - Fish [1]                                                       | 0.97 mg/l Source: International Uniform Chemical Information Database |
| EC50 96h - Algae [1]                                                  | 0.017 mg/l Source: Ecological Structure Activity Relationships        |
| <b>METIL AND 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE82919-37-7</b> |                                                                       |
| LC50 - Fish [1]                                                       | 0.996 mg/l                                                            |
| EC50 96h - Algae [1]                                                  | 0.615 mg/l Source: ECOSAR                                             |
| <b>trizinc bis(orthophosphate)7779-90-0</b>                           |                                                                       |
| LC50 - Fish [1]                                                       | 2 (0.14 – 2.6) mg/l                                                   |
| EC50 - Crustacea [1]                                                  | 2.44 mg/l                                                             |

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E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

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| trizinc bis(orthophosphate)7779-90-0 |                                                                                                                                          |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| EC50 72h - Algae [1]                 | 0.14 mg/l                                                                                                                                |
| n-butyl acetate123-86-4              |                                                                                                                                          |
| LC50 - Fish [1]                      | 18 mg/l Test organisms (species): Pimephales promelas                                                                                    |
| EC50 - Crustacea [1]                 | 44 mg/l Test organisms (species): Daphnia sp.                                                                                            |
| EC50 72h - Algae [1]                 | 397 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2]                 | 246 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| LOEC (chronic)                       | 47.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                       |
| NOEC (chronic)                       | 23.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                       |

### 12.2. Persistence and degradability

| W-THANE HPD 50 2 T ORANGE RAL 2000 A COMPONENT           |                        |
|----------------------------------------------------------|------------------------|
| Persistence and degradability                            | Not rapidly degradable |
| 2-methoxy-1-methylethyl acetate108-65-6                  |                        |
| 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 |
| LEAD SULFOCHROMATE YELLOW1344-37-2                       |                        |
| Persistence and degradability                            | Not rapidly degradable |
| INORGANIC PIGMENT CADMIUM SULPHOSELENETE ORANGE8048-07-5 |                        |
| 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 |
| 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 |

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E-mail: [tintas@weg.net](mailto:tintas@weg.net) - [www.weg.net](http://www.weg.net)

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|                                                                       |                        |
|-----------------------------------------------------------------------|------------------------|
| <b>TERT-BUTYL PERBENZOATE614-45-9</b>                                 |                        |
| Persistence and degradability                                         | Not rapidly degradable |
| <b>BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE41556-26-7</b>     |                        |
| Persistence and degradability                                         | Not rapidly degradable |
| <b>METIL AND 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE82919-37-7</b> |                        |
| Persistence and degradability                                         | Not rapidly degradable |
| <b>trizinc bis(orthophosphate)7779-90-0</b>                           |                        |
| Persistence and degradability                                         | Not rapidly degradable |
| <b>n-butyl acetate123-86-4</b>                                        |                        |
| Persistence and degradability                                         | Not rapidly degradable |

### 12.3. Bioaccumulative potential

|                                                                   |                                                                  |
|-------------------------------------------------------------------|------------------------------------------------------------------|
| <b>2-methoxy-1-methylethyl acetate108-65-6</b>                    |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 0.43 Source: International Uniform Chemical Information Database |
| <b>MIXED XYLENES1330-20-7</b>                                     |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 3.15 Source: HSDB                                                |
| <b>Nafta solvente (petróleo), aromático leve64742-95-6</b>        |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 2.1 – 6 Source: IUCLID                                           |
| <b>STYRENE MONOMER100-42-5</b>                                    |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 2.95 Source: HSDB, ChemIDplus                                    |
| <b>2-ETHYLHEXYL ACRYLATE103-11-7</b>                              |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 3.67 Source: ICSC                                                |
| <b>ISOBUTYL METHACRYLATE97-86-9</b>                               |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 2.95 Source: OECD Screening Information Data Set                 |
| <b>2-HYDROXYETHYL METACRYLATE868-77-9</b>                         |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 0.42 Source: ICSC                                                |
| <b>HYDROXYPROPYL METHACRYLATE923-26-2</b>                         |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 0.97 Source: ChemIDplus                                          |
| <b>ACRYLIC ACID GLACIAL MONOMER79-10-7</b>                        |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 0.36 Source: ICSC                                                |
| <b>TERT-BUTYL PERBENZOATE614-45-9</b>                             |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 2.89                                                             |
| <b>BIS (1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE41556-26-7</b> |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 0.37 Source: International Uniform Chemical Information Database |
| <b>n-butyl acetate123-86-4</b>                                    |                                                                  |
| Partition coefficient n-octanol/water (Log Pow)                   | 1.78 Source: HSDB                                                |

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### 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 (31°C c.c.)                                                                                              | UN 1263 Paint, 3, III                                                                 |
| <b>Transport hazard class(es)</b>                                                   |                                                                                                                                                                            |                                                                                       |
| 3                                                                                   | 3                                                                                                                                                                          | 3                                                                                     |
| <b>Danger labels</b>                                                                |                                                                                                                                                                            |                                                                                       |
| 3                                                                                   | 3                                                                                                                                                                          | 3                                                                                     |
|  | <br> |  |
| <b>Subsidiary risk</b>                                                              |                                                                                                                                                                            |                                                                                       |
| Not applicable                                                                      | Not applicable                                                                                                                                                             | Not applicable                                                                        |

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| Risk Number                   |                 |                |
|-------------------------------|-----------------|----------------|
| 30                            | Not applicable  | Not applicable |
| Packing group                 |                 |                |
| III                           | III             | III            |
| Special provisions            |                 |                |
| 163,223,367                   | 163,223,367,955 | A3,A72,A192    |
| Dangerous for the environment |                 |                |
| 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  
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

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### 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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