

# DEOXIDIZING SOLUTION

## Safety Data Sheet

According to ABNT NBR 14725: 2023  
Issue date: 5/20/2026 Version: 1.0



### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : DEOXIDIZING SOLUTION  
Product code : 19440482  
Type of product : Inks  
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)

Skin corrosion/irritation, Category 1

Hazardous to the aquatic environment - Acute Hazard, Category 3

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

#### GHS BR labelling

Hazard pictograms (GHS BR)

:



Signal word (GHS BR)

: Danger

Hazard statements (GHS BR)

: H314 - Causes severe skin burns and eye damage  
H402 - Harmful to aquatic life

Precautionary statements (GHS BR)

: P260 - Do not breathe dust, fume, gas, mist, vapours or spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .

### 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)                      |
|---|------------------------|---------------|--|
| phosphoric acid ... %, orthophosphoric acid ... % | CAS-No.: 7664-38-2     | 20 – 40       | Acute Tox. 5 (Oral), H303<br>Acute Tox. 5 (Dermal), H313<br>Skin Corr. 1, H314 |

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| Name                            | GHS Product identifier | Conc. (% w/w) | Classification according to GHS BR (ABNT NBR 14725: 2023)                  |
|---------------------------------|------------------------|---------------|--|
|                                 |                        |               | Aquatic Acute 3, H402  |
| 2-methoxy-1-methylethyl acetate | CAS-No.: 108-65-6      | 5 – 10        | Flam. Liq. 3, H226<br>Acute Tox. 5 (Dermal), H313<br>Aquatic Acute 3, H402 |

## SECTION 4: First-aid measures

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

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : If you feel unwell, seek medical advice.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. 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. Do not remove clothing if it sticks to the skin. Be careful, the product may remain trapped under clothing, footwear or a wrist-watch. |
| 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    | : If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting because of corrosive effects.   |

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

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects                    | : Causes severe skin burns and eye damage.  |
| Symptoms/effects after inhalation   | : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. |
| Symptoms/effects after skin contact | : Highly corrosive to skin. Causes severe burns, irritation (itching, redness, blistering).   |
| Symptoms/effects after eye contact  | : Causes serious eye burns. May cause destruction of eye tissue.  |
| Symptoms/effects after ingestion    | : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.  |

### 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   | : Water spray, dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ). |
| Unsuitable extinguishing media | : Do not use a heavy water stream.   |

### 5.2. Specific hazards arising from the chemical

|                  |   |
|------------------|---|
| Fire hazard      | : In case of fire, corrosive gases come free. |
| Explosion hazard | : No direct explosion hazard.                 |

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

|                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Fight fire with normal precautions from a reasonable distance. 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.  |

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### SECTION 6: Accidental release measures

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

General measures : 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 : 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 : Self-contained breathing apparatus. Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product. Corrosionproof suit. Equip cleanup crew with proper protection.  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Harmful to aquatic life. Do not allow product to spread into the environment. Do not allow to enter drains or water courses. 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 : Clean contaminated surfaces with an excess of water. Take up liquid spill into absorbent material.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.  
Precautions for safe handling : When heated, material emits highly irritating vapours, affecting the eyes. Ensure good ventilation of the work station. Wear personal protective equipment. 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. Remove contaminated clothes. Do not eat, drink or smoke when using this product.

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

Storage conditions : Keep cool. Protect from sunlight. Store in a well-ventilated place. Keep cool.  
Packaging materials : Always store product in container of same material as original container.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

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

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### 8.3. Individual protection measures

#### Personal protective equipment:

Corrosionproof clothing.

#### Hand protection:

Protective gloves made of PVC. Nitrile rubber gloves

#### Eye protection:

Wear closed safety glasses

#### Skin and body protection:

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  | : Colourless                    |
| Odour   | : characteristic                |
| Odour threshold                                 | : Not available                 |
| pH  | : Not available                 |
| Melting point                                   | : Não disponível.               |
| Freezing point                                  | : Não disponível.               |
| Boiling point                                   | : Não disponível.               |
| Flash point                                     | : 97 °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   | : 1.15 – 1.25 g/cm <sup>3</sup> |
| Solubility                                      | : Not available                 |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                 |
| Auto-ignition temperature                       | : Not available                 |
| Decomposition temperature                       | : Not available                 |
| Viscosity, kinematic                            | : Não relevante.                |
| Viscosity, dynamic                              | : Não relevante.                |
| Particle size                                   | : Not applicable                |
| Particle size distribution                      | : Not applicable                |

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

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

|                           |  |
|---------------------------|--|
| 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 |

### phosphoric acid ... %, orthophosphoric acid ... % 7664-38-2

|                 |                                 |
|-----------------|---------------------------------|
| Boiling point   | 296.5 °C Atm. press.: 983 hPa   |
| Vapour pressure | 0.03 mm Hg at 20°C Source: ECHA |

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

|                    |              |
|--------------------|--------------|
| VOC Total (g/l)    | : 108.42 g/l |
| VOC Total (lb/gal) | : 0.9 lb/gal |

## 9.3. Further safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Chemical stability                 | : Stable under normal conditions of use.   |
| Conditions to avoid                | : Extremely high or low temperatures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Hazardous decomposition products   | : On exposure to high temperature, may decompose, releasing corrosive gases.   |
| Incompatible materials             | : No additional information available.   |
| Possibility of hazardous reactions | : None under normal use.   |
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport.   |
| Handling temperature               | : No additional information available  |

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                 |
|-----------------------------|-----------------|
| Acute toxicity (oral)       | : Not available |
| Acute toxicity (dermal)     | : Not available |
| Acute toxicity (inhalation) | : Not available |

### 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                                     |

### phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)

|                    |                         |
|--------------------|-------------------------|
| LD50 oral rat      | 3500 mg/kg Source: ECHA |
| LD50 dermal rabbit | 2740 mg/kg Source: ECHA |

|                           |                             |
|---------------------------|-----------------------------|
| Skin corrosion/irritation | : Causes severe skin burns. |
|---------------------------|-----------------------------|

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### phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)

|    |   |
|----|---|
| pH | 1 |
|----|---|

Serious eye damage/irritation : Assumed to cause serious eye damage

### phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)

|    |   |
|----|---|
| pH | 1 |
|----|---|

Respiratory or skin sensitisation : Not available

Germ cell mutagenicity : Not available

Carcinogenicity : Not available

Reproductive toxicity : Not available

STOT-single exposure : Not available

STOT-repeated exposure : Not available

### 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) |
|-------------------------------------|--|

Aspiration hazard : Not available

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|                      |                |
|----------------------|----------------|
| Viscosity, kinematic | Não relevante. |
|----------------------|----------------|

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

|                      |                          |
|----------------------|--------------------------|
| Viscosity, kinematic | 1.182 mm <sup>2</sup> /s |
|----------------------|--------------------------|

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

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.

Symptoms/effects after skin contact : Highly corrosive to skin. Causes severe burns. irritation (itching, redness, blistering).

Symptoms/effects after eye contact : Causes serious eye burns. May cause destruction of eye tissue.

Symptoms/effects after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life.

Hazardous to the aquatic environment, short-term (acute) : Harmful to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Not available

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

|                 |  |
|-----------------|--|
| 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' |
|-------------------|--|

### phosphoric acid ... %, orthophosphoric acid ... % 7664-38-2

|                 |                        |
|-----------------|------------------------|
| LC50 - Fish [1] | 75.1 mg/l Source: ECHA |
|-----------------|------------------------|

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### phosphoric acid ... %, orthophosphoric acid ... %7664-38-2

|                      |                       |
|----------------------|-----------------------|
| EC50 - Crustacea [1] | 100 mg/l Source: ECHA |
| EC50 72h - Algae [1] | 100 mg/l Source: ECHA |

## 12.2. Persistence and degradability

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|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

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

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

### phosphoric acid ... %, orthophosphoric acid ... %7664-38-2

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

## 12.3. Bioaccumulative potential

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

|   |  |
|---|--|
| Partition coefficient n-octanol/water (Log Pow) | 0.43 Source: International Uniform Chemical Information Database |
|---|--|

## 12.4. Mobility in soil

No additional information available

## 12.5. Other adverse effects

|                              |   |
|------------------------------|---|
| Hazardous to the ozone layer | : Not available   |
| Other adverse effects        | : May cause pH changes in aqueous ecological systems. Before neutralisation, the product may represent a danger to aquatic organisms. |

## 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                     | : 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>                      |  |   |
| 1805                                  | 1805                                     | 1805                                      |
| <b>UN Proper Shipping Name</b>        |  |   |
| ÁCIDO FOSFÓRICO, SOLUÇÃO              | PHOSPHORIC ACID SOLUTION                 | Phosphoric acid, solution                 |
| <b>Transport document description</b> |  |   |
| Not applicable                        | UN 1805 PHOSPHORIC ACID SOLUTION, 8, III | UN 1805 Phosphoric acid, solution, 8, III |

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| Transport hazard class(es)  |   |   |
|---|---|---|
| 8   | 8   | 8   |
| Danger labels   |   |   |
| 8   | 8   | 8   |
|  |  |  |
| Subsidiary risk   |   |   |
| Not applicable  | Not applicable  | Not applicable  |
| Risk Number   |   |   |
| 80  | Not applicable  | Not applicable  |
| Packing group   |   |   |
| III   | III   | III   |
| Special provisions  |   |   |
| 223   | 223   | A3,A803   |
| Dangerous for the environment   |   |   |
| No  | No  | No  |

### 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

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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  
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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