

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



DE / EN

## Metallschutz-Lack Matt Weiss

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 24.06.2024  |
| 2.5     | 18.12.2024     | 6003313     | Date of first issue: 09.07.2019 |

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : Metallschutz-Lack Matt Weiss

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Solvent-borne coatings

Recommended restrictions : within adequate application - none  
on use

#### 1.3 Details of the supplier of the safety data sheet

Company : Alpina Farben GmbH  
Roßdörfer Straße 50  
64372 OBER RAMSTADT

Telephone : +498001238887  
Telefax : +4961547170632

Website : [www.alpina-farben.de](http://www.alpina-farben.de)  
E-mail address Responsible/issuing person : [msds@dr-rmi.com](mailto:msds@dr-rmi.com)

#### 1.4 Emergency telephone

Emergency telephone 1 : +49613284463 GBK GmbH

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapor.

Specific target organ toxicity - single exposure, Category 3, Central nervous system H336: May cause drowsiness or dizziness.

Long-term (chronic) aquatic hazard, Category 3 H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms

:



Signal Word

:

Warning

Hazard Statements

:

|      |                                                    |
|------|----------------------------------------------------|
| H226 | Flammable liquid and vapor.                        |
| H336 | May cause drowsiness or dizziness.                 |
| H412 | Harmful to aquatic life with long lasting effects. |

Supplemental Hazard Statements

:

|        |                                                       |
|--------|-------------------------------------------------------|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
|--------|-------------------------------------------------------|

Precautionary Statements

:

|      |                                                                       |
|------|-----------------------------------------------------------------------|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children.                                        |

### Prevention:

|      |                                                                                                |
|------|------------------------------------------------------------------------------------------------|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P271 | Use only outdoors or in a well-ventilated area.                                                |

### Response:

|             |                                                                                      |
|-------------|--------------------------------------------------------------------------------------|
| P370 + P378 | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. |
|-------------|--------------------------------------------------------------------------------------|

### Storage:

|      |                  |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

### Disposal:

|      |                                                                     |
|------|---------------------------------------------------------------------|
| P501 | Dispose of contents/ container to an approved waste disposal plant. |
|------|---------------------------------------------------------------------|

### Hazardous ingredients which must be listed on the label:

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha

### Additional Labeling

|        |                                                                                                  |
|--------|--------------------------------------------------------------------------------------------------|
| EUH211 | Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |
|--------|--------------------------------------------------------------------------------------------------|

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Primer based on alkyd resin linseed oil, solvent-containing

##### Components

| Chemical name                                                                                            | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number                                                | Classification                                                       | Concentration<br>(% w/w) |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------|
| Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha                      | 64742-48-9<br>265-150-3<br>649-327-00-6<br>01-2119457273-39,<br>01-2119463258-33                     | Flam. Liq. 3; H226<br>STOT SE 3; H336<br>Asp. Tox. 1; H304<br>EUH066 | >= 30 - < 50             |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | 13463-67-7<br>236-675-5<br>022-006-00-2<br>01-2119489379-17                                          | Carc. 2; H351                                                        | >= 10 - < 20             |
| zinc oxide                                                                                               | 1314-13-2<br>215-222-5<br>030-013-00-7<br>01-2119463881-32,<br>01-2120089607-43,<br>01-2120767291-53 | Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410               | >= 1 - < 2,5             |
| zinc 5-nitroisophthalate                                                                                 | 60580-61-2<br>262-309-9<br>01-2120768444-47                                                          | Aquatic Acute 1;<br>H400<br>Aquatic Chronic 2;<br>H411               | >= 0,25 - < 1            |
| trizinc bis(orthophosphate)                                                                              | 7779-90-0<br>231-944-3<br>030-011-00-6<br>01-2119485044-40                                           | Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410               | >= 0,25 - < 1            |
| Substances with a workplace exposure limit :                                                             |                                                                                                      |                                                                      |                          |
| Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )                                  | 14807-96-6<br>238-877-9<br>01-2120140278-58                                                          |                                                                      | >= 1 - < 10              |

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

General advice : Never give anything by mouth to an unconscious person.

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- If you feel unwell, seek medical advice (show the label where possible).  
Move out of dangerous area.  
First aider needs to protect himself.
- If inhaled : If symptoms persist, call a physician.  
Move to fresh air.
- In case of skin contact : Do NOT use solvents or thinners.  
In case of contact, immediately flush skin with soap and plenty of water.  
Take off all contaminated clothing immediately.
- In case of eye contact : If eye irritation persists: Get medical advice/ attention.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.
- If swallowed : Seek medical advice.  
Clean mouth with water and drink afterwards plenty of water.  
If swallowed, DO NOT induce vomiting.

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

- Risks : May cause drowsiness or dizziness.  
Repeated exposure may cause skin dryness or cracking.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Do not use a solid water stream as it may scatter and spread fire.
- Unsuitable extinguishing media : None known.

### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray.  
In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

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### 5.3 Advice for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.  
for fire-fighters

Further information : Standard procedure for chemical fires.  
In the event of fire and/or explosion do not breathe fumes.

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## SECTION 6: Accidental release measures

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

Personal precautions : Do not get in eyes, on skin, or on clothing.  
Ensure adequate ventilation.  
Remove all sources of ignition.

### 6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform  
respective authorities.  
Do not flush into surface water or sanitary sewer system.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Keep in suitable, closed containers for disposal.  
Soak up with inert absorbent material (e.g. sand, silica gel,  
acid binder, universal binder, sawdust).

### 6.4 Reference to other sections

For further information see Section 7 of the safety data sheet.

, For personal protection see section 8., For disposal considerations see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Non-sparking tools should be used.  
For personal protection see section 8.  
Avoid exceeding the given occupational exposure limits (see  
section 8).  
Provide sufficient air exchange and/or exhaust in work rooms.  
  
Please follow the technical information.

Advice on protection against : Keep away from heat, hot surfaces, sparks, open flames and  
fire and explosion other ignition sources. No smoking.

Hygiene measures : Avoid contact with the skin and the eyes. Wash hands before  
eating, drinking, or smoking. Do not eat, drink or smoke when  
using this product. Remove contaminated clothing and protec-

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tive equipment before entering eating areas.

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

Requirements for storage areas and containers : Store in original container. Store between 41 and 77 °F in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage class (TRGS 510) : 3

### 7.3 Specific end use(s)

Specific use(s) : This information is not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components                                                                                                                                                                                                                                                        | CAS-No.    | Value type (Form of exposure)            | Control parameters            | Basis       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|-------------------------------|-------------|
| Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha                                                                                                                                                                                | 64742-48-9 | AGW                                      | 300 mg/m3                     | DE TRGS 900 |
| Peak-limit category: 2;(II)                                                                                                                                                                                                                                       |            |                                          |                               |             |
| Further information: Group exposure limit for hydrocarbon solvent mixtures                                                                                                                                                                                        |            |                                          |                               |             |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]                                                                                                                                                          | 13463-67-7 | MAK (measured as the alveolate fraction) | 0,3 mg/m3                     | DE DFG MAK  |
| Peak-limit category: 8; II                                                                                                                                                                                                                                        |            |                                          |                               |             |
| Further information: Substances that cause cancer in humans or animals or that are considered to be carcinogenic for humans and for which a MAK value can be derived., Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed |            |                                          |                               |             |
|                                                                                                                                                                                                                                                                   |            | AGW (Inhalable fraction)                 | 10 mg/m3 (Titanium dioxide)   | DE TRGS 900 |
| Peak-limit category: 2;(II)                                                                                                                                                                                                                                       |            |                                          |                               |             |
| Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child                                                                                                                          |            |                                          |                               |             |
|                                                                                                                                                                                                                                                                   |            | AGW (Alveolate fraction)                 | 1,25 mg/m3 (Titanium dioxide) | DE TRGS 900 |
| Peak-limit category: 2;(II)                                                                                                                                                                                                                                       |            |                                          |                               |             |
| Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child                                                                                                                          |            |                                          |                               |             |

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|                                                                         |                                                                                                                                                 |                                          |                        |             |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|-------------|
|                                                                         |                                                                                                                                                 | BM (Alveolar dust fraction)              | 0,5 mg/m <sup>3</sup>  | DE TRGS 527 |
| Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) | 14807-96-6                                                                                                                                      | AGW (Inhalable fraction)                 | 10 mg/m <sup>3</sup>   | DE TRGS 900 |
|                                                                         | Peak-limit category: 2;(II)                                                                                                                     |                                          |                        |             |
|                                                                         | Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child        |                                          |                        |             |
|                                                                         |                                                                                                                                                 | AGW (Alveolate fraction)                 | 1,25 mg/m <sup>3</sup> | DE TRGS 900 |
|                                                                         | Peak-limit category: 2;(II)                                                                                                                     |                                          |                        |             |
|                                                                         | Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child        |                                          |                        |             |
| zinc oxide                                                              | 1314-13-2                                                                                                                                       | MAK (measured as the alveolate fraction) | 0,1 mg/m <sup>3</sup>  | DE DFG MAK  |
|                                                                         | Further information: Zinc chloride: peak limit I(1), Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed |                                          |                        |             |
|                                                                         |                                                                                                                                                 | MAK (inhalable fraction)                 | 2 mg/m <sup>3</sup>    | DE DFG MAK  |
|                                                                         | Further information: Zinc chloride: peak limit I(1), Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed |                                          |                        |             |

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name                                                                                           | End Use   | Routes of exposure | Potential health effects   | Value                   |
|----------------------------------------------------------------------------------------------------------|-----------|--------------------|----------------------------|-------------------------|
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | Consumers | Ingestion          | Long-term systemic effects | 700,00 mg/kg bw/day     |
|                                                                                                          | Workers   | Inhalation         | Long-term local effects    | 10,00 mg/m <sup>3</sup> |
| zinc oxide                                                                                               | Consumers | Skin contact       | Long-term systemic effects | 83,00 mg/kg bw/day      |
|                                                                                                          | Consumers | Inhalation         | Long-term systemic effects | 2,50 mg/m <sup>3</sup>  |
|                                                                                                          | Consumers | Ingestion          | Long-term systemic effects | 0,83 mg/kg bw/day       |
|                                                                                                          | Workers   | Skin contact       | Long-term systemic effects | 83,00 mg/kg bw/day      |
|                                                                                                          | Workers   | Inhalation         | Long-term local effects    | 0,50 mg/m <sup>3</sup>  |
|                                                                                                          | Workers   | Inhalation         | Long-term systemic effects | 5,00 mg/m <sup>3</sup>  |
| trizinc bis(orthophosphate)                                                                              | Consumers | Ingestion          | Long-term systemic effects | 0,83 mg/kg bw/day       |
|                                                                                                          | Consumers | Skin contact       | Long-term systemic effects | 83,00 mg/kg bw/day      |
|                                                                                                          | Consumers | Inhalation         | Long-term systemic effects | 2,50 mg/m <sup>3</sup>  |

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|  |         |              |                            |                    |
|--|---------|--------------|----------------------------|--------------------|
|  | Workers | Inhalation   | Long-term systemic effects | 5,00 mg/m3         |
|  | Workers | Skin contact | Long-term systemic effects | 83,00 mg/kg bw/day |

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name                                                                                                          | Environmental Compartment | Value                         |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------|
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ] | Sewage treatment plant    | 100 mg/l                      |
|                                                                                                                         | Fresh water               | 0,184 mg/l                    |
|                                                                                                                         | Soil                      | 100 mg/kg dry weight (d.w.)   |
|                                                                                                                         | Sea water                 | 0,0184 mg/l                   |
| zinc oxide                                                                                                              | Fresh water sediment      | 1000 mg/kg dry weight (d.w.)  |
|                                                                                                                         | Sea sediment              | 100 mg/kg dry weight (d.w.)   |
|                                                                                                                         | Intermittent use/release  | 0,193 mg/l                    |
|                                                                                                                         | Fresh water sediment      | 117,8 mg/kg dry weight (d.w.) |
|                                                                                                                         | Sea water                 | 6,1 $\mu\text{g/l}$           |
|                                                                                                                         | Fresh water               | 20,6 $\mu\text{g/l}$          |
|                                                                                                                         | Sea sediment              | 56,5 mg/kg dry weight (d.w.)  |
|                                                                                                                         | Sewage treatment plant    | 100 $\mu\text{g/l}$           |
| trizinc bis(orthophosphate)                                                                                             | Soil                      | 35,6 mg/kg dry weight (d.w.)  |
|                                                                                                                         | Sea sediment              | 56,5 mg/kg dry weight (d.w.)  |
|                                                                                                                         | Fresh water               | 20,6 $\mu\text{g/l}$          |
|                                                                                                                         | Soil                      | 35,6 mg/kg dry weight (d.w.)  |
|                                                                                                                         | Sewage treatment plant    | 100 $\mu\text{g/l}$           |
|                                                                                                                         | Fresh water sediment      | 117,8 mg/kg dry weight (d.w.) |
|                                                                                                                         | Sea water                 | 6,1 $\mu\text{g/l}$           |

## 8.2 Exposure controls

### Personal protective equipment

Eye/face protection : DGUV Regulation 112-192 - Use of eye and face protection

Goggles

Hand protection

|                  |                  |
|------------------|------------------|
| Material         | : Nitrile rubber |
| Glove thickness  | : 0,2 mm         |
| Protective index | : Class 3        |



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|                          |                                                                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks                  | : Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Before removing gloves clean them with soap and water. Wear suitable gloves tested to EN374.<br>DGUV Regulation 112-195 - Use of protective gloves |
| Skin and body protection | : Safety shoes<br>Long sleeved clothing<br><br>Choose body protection according to the amount and concentration of the dangerous substance at the work place.<br><br>Skin should be washed after contact.<br><br>During spray application: impervious clothing   |
| Respiratory protection   | : No personal respiratory protective equipment normally required.<br><br>During spray application: Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.<br><br>DGUV Regulation 112-190 - Use of breathing equipment                       |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                  |                  |
|--------------------------------------------------|------------------|
| Physical state                                   | : liquid         |
| Color                                            | : white          |
| Odor                                             | : characteristic |
| Odor Threshold                                   | : Not relevant   |
| Melting point/freezing point                     | : not determined |
| Boiling point/boiling range                      | : not determined |
| Upper explosion limit / Upper flammability limit | : not determined |
| Lower explosion limit / Lower flammability limit | : not determined |

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|                                        |   |                                                              |
|----------------------------------------|---|--------------------------------------------------------------|
| Flash point                            | : | 40,5 °C<br>Method: ISO 1523                                  |
| Autoignition temperature               | : | not determined                                               |
| Decomposition temperature              | : | Not applicable                                               |
| pH                                     | : | substance/mixture is non-soluble (in water)                  |
| Viscosity                              | : |                                                              |
| Viscosity, dynamic                     | : | 633 mPa.s (20 °C)<br>Method: ISO 3219                        |
| Viscosity, kinematic                   | : | > 21 mm <sup>2</sup> /s (40 °C)<br>Method: ISO 2884-1        |
| Flow time                              | : | Not applicable                                               |
| Solubility(ies)                        | : |                                                              |
| Water solubility                       | : | partly miscible                                              |
| Partition coefficient: n-octanol/water | : | not determined                                               |
| Vapor pressure                         | : | not determined                                               |
| Relative density                       | : | not determined                                               |
| Density                                | : | 1,241 g/cm <sup>3</sup> (20 °C)<br>Method: DIN EN ISO 2811-1 |
| Bulk density                           | : | Not applicable                                               |
| Relative vapor density                 | : | Heavier than air.                                            |

### 9.2 Other information

|            |   |                |
|------------|---|----------------|
| Explosives | : | Not applicable |
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|                        |   |                     |
|------------------------|---|---------------------|
| Oxidizing properties   | : | Not applicable      |
| Flammability (liquids) | : | Sustains combustion |
| Evaporation rate       | : | Not applicable      |

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

|                     |   |                                                                                                               |
|---------------------|---|---------------------------------------------------------------------------------------------------------------|
| Hazardous reactions | : | Vapors may form explosive mixture with air.<br>Hazardous decomposition products formed under fire conditions. |
|---------------------|---|---------------------------------------------------------------------------------------------------------------|

#### 10.4 Conditions to avoid

|                     |   |                                        |
|---------------------|---|----------------------------------------|
| Conditions to avoid | : | Protect from frost, heat and sunlight. |
|---------------------|---|----------------------------------------|

#### 10.5 Incompatible materials

|                    |   |                                                                           |
|--------------------|---|---------------------------------------------------------------------------|
| Materials to avoid | : | Incompatible with acids and bases.<br>Incompatible with oxidizing agents. |
|--------------------|---|---------------------------------------------------------------------------|

#### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute toxicity

Not classified based on available information.

##### Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

##### Serious eye damage/eye irritation

Not classified based on available information.

##### Respiratory or skin sensitization

##### Skin sensitization

Not classified based on available information.

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### **Respiratory sensitization**

Not classified based on available information.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Carcinogenicity**

Not classified based on available information.

### **Reproductive toxicity**

Not classified based on available information.

### **STOT-single exposure**

May cause drowsiness or dizziness.

### **STOT-repeated exposure**

Not classified based on available information.

### **Aspiration toxicity**

Not classified based on available information.

## **11.2 Information on other hazards**

### **Endocrine disrupting properties**

Not classified based on available information.

### **Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

No data available

### **12.2 Persistence and degradability**

No data available

### **12.3 Bioaccumulative potential**

#### **Components:**

**Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha:**

Partition coefficient: n-octanol/water : log Pow: 1,99 - 18,02 (20 °C)  
pH: 7

### **12.4 Mobility in soil**

No data available

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### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

**Product:**

Additional ecological information : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

|                        |                                                                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                | : Dispose of liquid material residues at the collection point for old paints/varnishes, dispose of dried material residues as construction and demolition waste or as municipal waste or household waste. |
|                        | Waste should not be disposed of via wastewater.                                                                                                                                                           |
| Contaminated packaging | : Only completely emptied containers should be given for recycling.                                                                                                                                       |
| Waste Code             | : used product<br>080112, waste paint and varnish other than those mentioned in 08 01 11*                                                                                                                 |

---

## SECTION 14: Transport information

### 14.1 UN number or ID number

|     |           |
|-----|-----------|
| ADN | : UN 1263 |
| ADR | : UN 1263 |
| RID | : UN 1263 |

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**IMDG** : UN 1263

**IATA** : UN 1263

### 14.2 UN proper shipping name

**ADN** : PAINT

**ADR** : PAINT

**RID** : PAINT

**IMDG** : PAINT

**IATA** : Paint

### 14.3 Transport hazard class(es)

|             | Class | Subsidiary risks |
|-------------|-------|------------------|
| <b>ADN</b>  | : 3   |                  |
| <b>ADR</b>  | : 3   |                  |
| <b>RID</b>  | : 3   |                  |
| <b>IMDG</b> | : 3   |                  |
| <b>IATA</b> | : 3   |                  |

### 14.4 Packing group

#### **ADN**

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

#### **ADR**

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : (D/E)

#### **RID**

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

#### **IMDG**

Packing group : III  
Labels : 3  
EmS Code : F-E, S-E

#### **IATA (Cargo)**

Packing instruction (cargo aircraft) : 366  
Packing instruction (LQ) : Y344  
Packing group : III

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Labels : Flammable Liquids

### IATA (Passenger)

|                                          |                     |
|------------------------------------------|---------------------|
| Packing instruction (passenger aircraft) | : 355               |
| Packing instruction (LQ)                 | : Y344              |
| Packing group                            | : III               |
| Labels                                   | : Flammable Liquids |

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous : no

#### ADR

Environmentally hazardous : no

#### RID

Environmentally hazardous : no

#### IMDG

Marine pollutant : no

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

|                                                                                                                                            |                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : Conditions of restriction for the following entries should be considered:<br>Number on list 75, 3 |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|

If you intend to use this product as tattoo ink, please contact your vendor.

|                                                                                           |        |
|-------------------------------------------------------------------------------------------|--------|
| REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). | : None |
|-------------------------------------------------------------------------------------------|--------|

|                                                            |                  |
|------------------------------------------------------------|------------------|
| Regulation (EC) on substances that deplete the ozone layer | : Not applicable |
|------------------------------------------------------------|------------------|

|                                                                     |                  |
|---------------------------------------------------------------------|------------------|
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | : Not applicable |
|---------------------------------------------------------------------|------------------|

|                                                     |        |
|-----------------------------------------------------|--------|
| REACH - List of substances subject to authorisation | : None |
|-----------------------------------------------------|--------|

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(Annex XIV)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

P5c FLAMMABLE LIQUIDS

34 Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams), (d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)

Water hazard class (Germany) : WGK 1 slightly water endangering  
Classification according to AwSV, Annex 1 (5.2)

. : BSL20 Coating materials, solvent-based, aromatic-free, classified

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 36,44 %

Volatile organic compounds : Directive 2004/42/EC  
< 37 %  
< 460 g/l

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

## SECTION 16: Other information

### Full text of H-Statements

|      |                                                         |
|------|---------------------------------------------------------|
| H226 | : Flammable liquid and vapor.                           |
| H304 | : May be fatal if swallowed and enters airways.         |
| H336 | : May cause drowsiness or dizziness.                    |
| H351 | : Suspected of causing cancer if inhaled.               |
| H400 | : Very toxic to aquatic life.                           |
| H410 | : Very toxic to aquatic life with long lasting effects. |



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H411 : Toxic to aquatic life with long lasting effects.  
EUH066 : Repeated exposure may cause skin dryness or cracking.

### Full text of other abbreviations

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Aquatic Acute     | : Short-term (acute) aquatic hazard                       |
| Aquatic Chronic   | : Long-term (chronic) aquatic hazard                      |
| Asp. Tox.         | : Aspiration hazard                                       |
| Carc.             | : Carcinogenicity                                         |
| Flam. Liq.        | : Flammable liquids                                       |
| STOT SE           | : Specific target organ toxicity - single exposure        |
| DE DFG MAK        | : Germany. MAK BAT Annex IIa                              |
| DE TRGS 527       | : Germany. TRGS 527 - Activities with nanomaterials       |
| DE TRGS 900       | : Germany. TRGS 900 - Occupational exposure limit values. |
| DE DFG MAK / MAK  | : MAK value                                               |
| DE TRGS 527 / BM  | : Assessment scale                                        |
| DE TRGS 900 / AGW | : Time Weighted Average                                   |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Other information : No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC. Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

Sources of key data used to compile the Material Safety Data Sheet : ECHA WebSite  
ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs. Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH  
NIOSH - Registry of toxic effects of chemical substances  
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities  
SAX'S - Dangerous properties of industrial materials  
GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the Ger-

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man Social Accident Insurance)  
Toxnet - Toxicology Data Network

### Classification of the mixture:

|                   |      |
|-------------------|------|
| Flam. Liq. 3      | H226 |
| STOT SE 3         | H336 |
| Aquatic Chronic 3 | H412 |

### Classification procedure:

Based on product data or assessment  
Calculation method  
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly.

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