

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 11/04/2023 Version: 1.0

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

#### 1.1. Product identifier

|                               |  |
|-------------------------------|--|
| Product form                  | : Mixture  |
| Product name                  | : 421/F167 - MICACEOUS IRON OXIDE SILVER GREY, DARK GREY + OTHER COLOURS |
| UFI                           | : 995P-N2SS-Y00A-J37H  |
| Product code                  | : 10679  |
| Type of product               | : Paint  |
| Product group                 | : End product  |
| Other means of identification | : 421/F167/1134 & Other Colours  |

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

##### 1.2.1. Relevant identified uses

Intended for general public

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

Teal & Mackrill Ltd  
Lockwood Street  
Hull – East Yorkshire HU2 0HN  
England  
T +44 (0)1482 320194  
[info@teamac.co.uk](mailto:info@teamac.co.uk)

##### Distributor

Teal & Mackrill EU B.V.  
Queens Towers  
Delflandlaan 1  
1062 EA Amsterdam  
Netherlands  
T +31 (0)208 004828  
[info@teamac.co.uk](mailto:info@teamac.co.uk)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 1482 320194 Teamac (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|   |      |
|---|------|
| Flammable liquids, Category 3                                     | H226 |
| Specific target organ toxicity – Repeated exposure, Category 1    | H372 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3 | H412 |
| Full text of H- and EUH-statements: see section 16                |      |

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS08

Signal word (CLP) :

Danger

Contains :

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

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|                                |   |
|--------------------------------|---|
| Hazard statements (CLP)        | : H226 - Flammable liquid and vapour.<br>H372 - Causes damage to organs through prolonged or repeated exposure.<br>H412 - Harmful to aquatic life with long lasting effects.  |
| Precautionary statements (CLP) | : P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection.<br>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337+P313 - If eye irritation persists: Get medical advice/attention.<br>P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| EUH-statements                 | : EUH066 - Repeated exposure may cause skin dryness or cracking.  |

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII  
Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier   | %                | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|--|------------------|---|
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit | CAS-No.: 64742-82-1<br>EC-No.: 265-185-4<br>EC Index-No.: 649-330-00-2<br>REACH-no: 01-2119458049-33 | $\geq 10 - < 30$ | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>STOT RE 1, H372<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411      |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics   | CAS-No.: 64742-48-9<br>EC-No.: 918-481-9<br>REACH-no: 01-2119457273-39                               | $\geq 10 - < 30$ | Acute Tox. 4 (Oral), H302 (ATE=2000 mg/kg bodyweight)<br>Acute Tox. 4 (Inhalation), H332<br>Asp. Tox. 1, H304 |
| Calcium Magnesium Silicate<br>substance with national workplace exposure limit(s) (GB)   | CAS-No.: 14807-96-6<br>EC-No.: 238-877-9   | $\geq 1 - < 5$   | Not classified  |
| Titanium Dioxide<br>substance with national workplace exposure limit(s) (GB)   | CAS-No.: 13463-67-7<br>EC-No.: 236-675-5<br>REACH-no: 01-2119489379-17                               | < 1              | Not classified  |

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| Name  | Product identifier   | %   | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---|--|-----|--|
| Carbon Black<br>substance with national workplace exposure limit(s)<br>(GB)   | CAS-No.: 1333-86-4<br>EC-No.: 215-609-9<br>REACH-no: 01-2119384822-32  | < 1 | Not classified   |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics<br>substance with national workplace exposure limit(s)<br>(GB) | EC-No.: 918-481-9<br>REACH-no: 01-2119457273-39                        | < 1 | Asp. Tox. 1, H304  |
| NEODECANOATE ACID, COBALT SALT<br>substance with national workplace exposure limit(s)<br>(GB)                                       | CAS-No.: 27253-31-2<br>EC-No.: 248-373-0                               | < 1 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h)<br>Skin Sens. 1, H317<br>Repr. 2, H361f<br>Aquatic Chronic 3, H412 |
| Dipropylene Glycol Methyl Ether<br>substance with national workplace exposure limit(s)<br>(GB)                                      | CAS-No.: 34590-94-8<br>EC-No.: 252-104-2<br>REACH-no: 01-2119450011-60 | < 1 | Not classified   |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.  |
| First-aid measures after inhalation   | : Move the affected person away from the contaminated area and into the fresh air. Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | : Take off immediately all contaminated clothing. Wash skin with plenty of water.  |
| First-aid measures after eye contact  | : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing.                        |
| First-aid measures after ingestion    | : Do not induce vomiting. Obtain emergency medical attention.  |

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

No additional information available

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

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

Fire hazard : Vapours may cause fire/explosion if source of ignition is present.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

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### 5.3. Advice for firefighters

- Firefighting instructions : Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

## SECTION 6: Accidental release measures

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

- General measures : Avoid contact with skin and eyes. No flames, no sparks. Eliminate all sources of ignition.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

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

- For containment : Collect spillage. Absorb spilled material with sand or earth.
- Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : The Manual Handling Operations Regulations may apply to the handling of containers of this product. To assist employers, the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.
- Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours. Do not eat, drink or smoke when using this product. Ensure good ventilation of the work station. Handle and open container with care. Keep away from sources of ignition - No smoking.
- Hygiene measures : Always wash hands after handling the product.

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

- Technical measures : The storage and use of this product is subject to the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR. Up to 250 litres of liquids with a flashpoint above 32C but below 55C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate, marked storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers.
- Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed.
- Incompatible products : Oxidizing agent. Strong acids. Strong bases.
- Storage temperature : 5 – 25 °C

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Storage area : Store away from heat.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| Carbon Black (1333-86-4)   |                                     |
|--|-------------------------------------|
| United Kingdom - Occupational Exposure Limits  |                                     |
| WEL TWA (OEL TWA) [1]  | 3.5 mg/m <sup>3</sup>               |
| WEL STEL (OEL STEL)  | 7 mg/m <sup>3</sup>                 |
| Titanium Dioxide (13463-67-7)  |                                     |
| United Kingdom - Occupational Exposure Limits  |                                     |
| WEL TWA (OEL TWA) [1]  | 10 mg/m <sup>3</sup> Inhalable dust |
| Calcium Magnesium Silicate (14807-96-6)  |                                     |
| United Kingdom - Occupational Exposure Limits  |                                     |
| WEL TWA (OEL TWA) [1]  | ≈ 1 mg/m <sup>3</sup>               |
| Dipropylene Glycol Methyl Ether (34590-94-8)   |                                     |
| United Kingdom - Occupational Exposure Limits  |                                     |
| WEL TWA (OEL TWA) [1]  | 308 mg/m <sup>3</sup>               |
| WEL TWA (OEL TWA) [2]  | 50 ppm                              |
| NEODECANOATE ACID, COBALT SALT (27253-31-2)  |                                     |
| United Kingdom - Occupational Exposure Limits  |                                     |
| WEL TWA (OEL TWA) [1]  | 0.1 mg/m <sup>3</sup>               |
| Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1) |                                     |
| EU - Indicative Occupational Exposure Limit (IOEL)                                   |                                     |
| IOEL TWA   | 350 mg/m <sup>3</sup>               |
| United Kingdom - Occupational Exposure Limits  |                                     |
| WEL TWA (OEL TWA) [1]  | 350 mg/m <sup>3</sup>               |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics                 |                                     |
| United Kingdom - Occupational Exposure Limits  |                                     |
| WEL TWA (OEL TWA) [1]  | 1000 mg/m <sup>3</sup>              |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

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### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Provide local exhaust or general room ventilation.

### 8.2.2. Personal protection equipment

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



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves against chemicals (EN 374). Nitrile rubber gloves

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Do not exceed the occupational exposure limits (OEL).

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                           |                             |
|---------------------------|-----------------------------|
| Physical state            | : Liquid                    |
| Colour                    | : Various colours.          |
| Appearance                | : Coloured liquid.          |
| Odour                     | : Not available             |
| Odour threshold           | : Not available             |
| Melting point             | : Not available             |
| Freezing point            | : Not available             |
| Boiling point             | : Not available             |
| Flammability              | : Not available             |
| Explosive limits          | : Not available             |
| Lower explosion limit     | : Not available             |
| Upper explosion limit     | : Not available             |
| Flash point               | : > 32 °C Closed cup.       |
| Auto-ignition temperature | : > 245 °C                  |
| Decomposition temperature | : Not available             |
| pH                        | : Not available.            |
| Viscosity, kinematic      | : > 20.5 mm <sup>2</sup> /s |

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|   |                     |
|---|---------------------|
| Viscosity, dynamic                              | : 1 – 4.1 P @ 25°C  |
| Solubility                                      | : Not available     |
| Partition coefficient n-octanol/water (Log Kow) | : Not available     |
| Vapour pressure                                 | : Not available     |
| Vapour pressure at 50°C                         | : Not available     |
| Density   | : Not available     |
| Relative density                                | : 0.95 – 1.4 @ 20°C |
| Relative vapour density at 20°C                 | : Not available     |
| Particle characteristics                        | : Not applicable    |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content : < 380 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

Oxidizing agent. Strong bases. Strong acids.

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

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

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

| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9) |            |
|---|------------|
| LD50 oral rat   | 2000 mg/kg |
| LD50 dermal rat   | 2001 mg/kg |
| LC50 Inhalation - Rat   | 20 mg/l    |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Not classified<br>pH: Not available. |
| Serious eye damage/irritation     | : Not classified<br>pH: Not available. |
| Respiratory or skin sensitisation | : Not classified                       |

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|                        |                  |
|------------------------|------------------|
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity        | : Not classified |
| Reproductive toxicity  | : Not classified |
| STOT-single exposure   | : Not classified |

### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)

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

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

### Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (64742-82-1)

|                        |  |
|------------------------|--|
| STOT-repeated exposure | Causes damage to organs (central nervous system) through prolonged or repeated exposure. |
|------------------------|--|

Aspiration hazard : Not classified

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|                      |                           |
|----------------------|---------------------------|
| Viscosity, kinematic | > 20.5 mm <sup>2</sup> /s |
|----------------------|---------------------------|

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                     |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |
| Not rapidly degradable                                    |  |

### 12.2. Persistence and degradability

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|                               |  |
|-------------------------------|--|
| Persistence and degradability | The product is not expected to be biodegradable. |
|-------------------------------|--|

### 12.3. Bioaccumulative potential

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|                           |                                    |
|---------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |
|---------------------------|------------------------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

|                           |   |
|---------------------------|---|
| Results of PBT assessment | This product does not contain any substances classified as PBT or vPvB. |
|---------------------------|---|

### 12.6. Endocrine disrupting properties

No additional information available



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### 12.7. Other adverse effects

Other adverse effects : This product contains Volatile Organic Compounds (VOCs) which have a photochemical ozone creation potential.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 08 01 11\* - waste paint and varnish containing organic solvents or other dangerous substances  
15 01 02 - plastic packaging  
If mixed with other wastes, the above waste code may not be applicable.

HP Code : HP3 - "Flammable:"  
– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;  
– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;  
– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;  
– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;  
– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;  
– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.  
HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.  
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR  | IMDG  | IATA  | ADN            | RID   |
|--|---|---|----------------|---|
| <b>14.1. UN number or ID number</b>  |   |   |                |   |
| UN 1263  | UN 1263   | UN 1263   | Not applicable | UN 1263   |
| <b>14.2. UN proper shipping name</b>   |   |   |                |   |
| PAINT RELATED MATERIAL (PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)) | PAINT (PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)) | Paint (PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)) | Not applicable | PAINT (PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)) |

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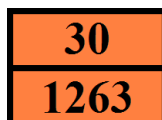
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ADR   | IMDG  | IATA  | ADN            | RID   |
|---|---|---|----------------|---|
| <b>Transport document description</b>   |   |   |                |   |
| UN 1263 PAINT RELATED MATERIAL (PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)), 3, III, (D/E) | UN 1263 PAINT (PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)), 3, III | UN 1263 Paint (PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)), 3, III | Not applicable | UN 1263 PAINT (PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)), 3, III |
| <b>14.3. Transport hazard class(es)</b>   |   |   |                |   |
| 3   | 3   | 3   | Not applicable | 3   |
|   |   |   | Not applicable |   |
| <b>14.4. Packing group</b>  |   |   |                |   |
| III   | III   | III   | Not applicable | III   |
| <b>14.5. Environmental hazards</b>  |   |   |                |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No   | Dangerous for the environment: No   | Not applicable | Dangerous for the environment: No   |
| No supplementary information available  |   |   |                |   |

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : F1  
 Special provisions (ADR) : 163, 367, 650  
 Limited quantities (ADR) : 5I  
 Excepted quantities (ADR) : E1  
 Packing instructions (ADR) : P001, IBC03, LP01, R001  
 Special packing provisions (ADR) : PP1  
 Mixed packing provisions (ADR) : MP19  
 Portable tank and bulk container instructions (ADR) : T2  
 Portable tank and bulk container special provisions (ADR) : TP1, TP29  
 Tank code (ADR) : LGBF  
 Vehicle for tank carriage : FL  
 Transport category (ADR) : 3  
 Special provisions for carriage - Packages (ADR) : V12  
 Special provisions for carriage - Operation (ADR) : S2  
 Hazard identification number (Kemler No.) : 30  
 Orange plates :



Tunnel restriction code (ADR) : D/E  
 EAC code : •3Y

#### Transport by sea

Special provisions (IMDG) : 163, 223, 367, 955

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|                                    |  |
|------------------------------------|--|
| Limited quantities (IMDG)          | : 5 L  |
| Excepted quantities (IMDG)         | : E1   |
| Packing instructions (IMDG)        | : P001, LP01   |
| Special packing provisions (IMDG)  | : PP1  |
| IBC packing instructions (IMDG)    | : IBC03  |
| Tank instructions (IMDG)           | : T2   |
| Tank special provisions (IMDG)     | : TP1, TP29  |
| EmS-No. (Fire)                     | : F-E  |
| EmS-No. (Spillage)                 | : S-E  |
| Stowage category (IMDG)            | : A  |
| Properties and observations (IMDG) | : Miscibility with water depends upon the composition. |

### Air transport

|  |                 |
|--|-----------------|
| PCA Excepted quantities (IATA)               | : E1            |
| PCA Limited quantities (IATA)                | : Y344          |
| PCA limited quantity max net quantity (IATA) | : 10L           |
| PCA packing instructions (IATA)              | : 355           |
| PCA max net quantity (IATA)                  | : 60L           |
| CAO packing instructions (IATA)              | : 366           |
| CAO max net quantity (IATA)                  | : 220L          |
| Special provisions (IATA)                    | : A3, A72, A192 |
| ERG code (IATA)                              | : 3L            |

### Inland waterway transport

Not applicable

### Rail transport

|   |                           |
|---|---------------------------|
| Classification code (RID)                                 | : F1                      |
| Special provisions (RID)                                  | : 163, 367, 650           |
| Limited quantities (RID)                                  | : 5L                      |
| Excepted quantities (RID)                                 | : E1                      |
| Packing instructions (RID)                                | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID)                          | : PP1                     |
| Mixed packing provisions (RID)                            | : MP19                    |
| Portable tank and bulk container instructions (RID)       | : T2                      |
| Portable tank and bulk container special provisions (RID) | : TP1, TP29               |
| Tank codes for RID tanks (RID)                            | : LGBF                    |
| Transport category (RID)                                  | : 3                       |
| Special provisions for carriage – Packages (RID)          | : W12                     |
| Colis express (express parcels) (RID)                     | : CE4                     |
| Hazard identification number (RID)                        | : 30                      |

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

IBC code : Not applicable.

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

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### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### VOC Directive (2004/42)

VOC content : < 380 g/l

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

#### United Kingdom

British National Regulations : The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

|       |   |
|-------|---|
| ATE   | Acute Toxicity Estimate   |
| ADR   | European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| DNEL  | Derived-No Effect Level   |
| IATA  | International Air Transport Association   |
| IMDG  | International Maritime Dangerous Goods  |
| LC50  | Median lethal concentration   |
| PNEC  | Predicted No-Effect Concentration   |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID   | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| VOC   | Volatile Organic Compounds  |
| PBT   | Persistent Bioaccumulative Toxic  |
| vPvB  | Very Persistent and Very Bioaccumulative  |

### Full text of H- and EUH-statements:

|                           |   |
|---------------------------|---|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4                               |
| Acute Tox. 4 (Oral)       | Acute toxicity (oral), Category 4                                 |
| Aquatic Chronic 2         | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3         | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Asp. Tox. 1               | Aspiration hazard, Category 1                                     |

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| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| EUH066                              | Repeated exposure may cause skin dryness or cracking.                  |
| Flam. Liq. 3                        | Flammable liquids, Category 3  |
| H226                                | Flammable liquid and vapour.   |
| H302                                | Harmful if swallowed.  |
| H304                                | May be fatal if swallowed and enters airways.                          |
| H317                                | May cause an allergic skin reaction.                                   |
| H332                                | Harmful if inhaled.  |
| H336                                | May cause drowsiness or dizziness.                                     |
| H361f                               | Suspected of damaging fertility.                                       |
| H372                                | Causes damage to organs through prolonged or repeated exposure.        |
| H411                                | Toxic to aquatic life with long lasting effects.                       |
| H412                                | Harmful to aquatic life with long lasting effects.                     |
| Repr. 2                             | Reproductive toxicity, Category 2                                      |
| Skin Sens. 1                        | Skin sensitisation, Category 1   |
| STOT RE 1                           | Specific target organ toxicity – Repeated exposure, Category 1         |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.