



# Bonda Rust Primer

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2015/830  
Issue date: 7/24/2018 Revision date: 6/4/2022 Supersedes version of: 6/4/2022 Version: 9.0

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Bonda Rust Primer  
UFI : T0Q9-D0K3-U000-K46N

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

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Professional use, Consumer use  
Use of the substance/mixture : Corrosion inhibitors  
Function or use category : Corrosion inhibitors

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

Bondaglass Voss Ltd  
Rustins Ltd  
Waterloo road  
NW2 7TX London  
United Kingdom  
T +44 (0)208 450 4666 - F +44 (0)208 452 2008  
[rustins@rustins.co.uk](mailto:rustins@rustins.co.uk) - [rustins.ltd](http://rustins.ltd)

##### Distributor

Excellence Ltd  
43 Grange Parade,  
Unit 43 Baldoyle Industrial Estate,  
D13 Y860 Dublin  
Ireland  
T 00353 (0)1 8323300 - F 00353 (0)1 8323584  
[Orders@excellence.ie](mailto:Orders@excellence.ie) - [www.excellence.ie](http://www.excellence.ie)

#### 1.4. Emergency telephone number

Emergency number : +44 (0)208 450 4666  
OFFICE HOURS ONLY MON. - FRI. 08:00 - 16:30

| Country        | Organisation/Company                                                         | Address                                  | Emergency number                                                                                       | Comment                              |
|----------------|------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                                      |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH Birmingham        | 0344 892 0111                                                                                          | Only for healthcare<br>professionals |

### 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  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Specific target organ toxicity – Single exposure, Category 3, Narcosis H336  
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation H335  
Specific target organ toxicity – Repeated exposure, Category 2 H373  
Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411

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

### Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

## 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Warning

Contains

: BUTAN-1-OL, Alkyd Resin, CAROMAX 18

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.  
H336 - May cause drowsiness or dizziness.  
H373 - May cause damage to organs through prolonged or repeated exposure.  
H411 - Toxic to aquatic life with long lasting effects.  
Precautionary statements (CLP): P102 - Keep out of reach of children.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P233 - Keep container tightly closed.  
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
P260 - Do not breathe vapours, spray, mist.  
P264 - Wash hands, forearms and face thoroughly after handling.  
EUH-statements: EUH208 - Contains COBALT 6%(13586-82-8). May produce an allergic reaction.

## 2.3. Other hazards

No additional information available

## 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]                                          |
|-------------|------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------|
| Alkyd Resin | -                                                                      | ≥ 35 – < 40 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT RE 2, H373    |
| CAROMAX 18  | CAS-No.: 64742-95-6<br>EC-No.: 265-199-0<br>REACH-no: 01-2119455851-35 | ≥ 30 – < 35 | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |

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| Name       | Product identifier                                                                                | %                | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                                                                                           |
|------------|---------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BUTAN-1-OL | CAS-No.: 71-36-3<br>EC-No.: 200-751-6<br>EC Index-No.: 603-004-00-6<br>REACH-no: 01-2119484630-38 | $\geq 1 - < 5$   | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H336<br>STOT SE 3, H335                                                                                          |
| COBALT 6%  | CAS-No.: 13586-82-8                                                                               | $\geq 0.1 - < 1$ | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Repr. 2, H361<br>Repr. 2, H361fd<br>Repr. 2, H361d<br>Aquatic Chronic 3, H412 |

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            | : Call a poison center or a doctor if you feel unwell.                                                                                                                           |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.                                                            |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.                                         |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.                                                                                                                           |

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

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Symptoms/effects                    | : May cause drowsiness or dizziness. |
| Symptoms/effects after inhalation   | : May cause respiratory irritation.  |
| Symptoms/effects after skin contact | : Irritation.                        |
| Symptoms/effects after eye contact  | : Eye irritation.                    |

### 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 | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--------------------------------------------------|

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

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Fire hazard                                      | : Flammable liquid and vapour. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

### 5.3. Advice for firefighters

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

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### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material. 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 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Ground/bond container and receiving equipment.  
Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

#### 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

###### Bonda Rust Primer

###### Belgium - Occupational Exposure Limits

|               |                                |
|---------------|--------------------------------|
| Local name    | Alcool n-butylique # n-Butanol |
| OEL TWA       | 62 mg/m <sup>3</sup>           |
| OEL TWA [ppm] | 20 ppm                         |

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| Bonda Rust Primer                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remark                                            | D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht. |
| Regulatory reference                              | Koninklijk besluit/Arrêté royal 11/05/2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Croatia - Occupational Exposure Limits            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Local name                                        | Butan-1-ol; n-butanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| KGVI (OEL STEL)                                   | 154 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| KGVI (OEL STEL) [ppm]                             | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Remark                                            | Koža (razvrstana kao tvar koja nadražuje kožu (H315))                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Regulatory reference                              | Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)                                                                                                                                                                                                                                                                                                                                                   |
| Germany - Occupational Exposure Limits (TRGS 900) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| AGW (OEL TWA) [1]                                 | 310 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AGW (OEL TWA) [2]                                 | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Peak exposure limitation factor                   | 1(I)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Remark                                            | DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden                                                                                                                                                                                                                                                     |
| Regulatory reference                              | TRGS900                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Ireland - Occupational Exposure Limits            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Local name                                        | Butan-1-ol [n-Butyl alcohol]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OEL TWA [2]                                       | 20 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Regulatory reference                              | Chemical Agents Code of Practice 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Romania - Occupational Exposure Limits            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Local name                                        | n-Butanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| OEL TWA                                           | 100 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OEL TWA [ppm]                                     | 33 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OEL STEL                                          | 200 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OEL STEL [ppm]                                    | 66 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Regulatory reference                              | Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 53/2021)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Slovenia - Occupational Exposure Limits           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Local name                                        | butan-1-ol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OEL TWA                                           | 310 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OEL TWA [ppm]                                     | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| OEL STEL                                          | 310 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OEL STEL [ppm]                                    | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Remark                                            | Y (Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in bat vrednosti), BAT (Biološka mejna vrednost)                                                                                                                                                                                                                                                                                                                                                                                |

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| Bonda Rust Primer                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulatory reference                           | Uradni list RS, št. 72/2021 z dne 11.5.2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Slovenia - Biological limit values             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                     | 1-butanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BLV                                            | 2 mg/g creatinine Parameter: 1-butanol (po hidrolizi) - Biološki vzorec: urin - Čas vzorčenja: pred delovno izmeno<br>10 mg/g creatinine Parameter: 1-butanol (po hidrolizi) - Biološki vzorec: urin - Čas vzorčenja: ob koncu delovne izmene                                                                                                                                                                                                                                                                                                                                                                                   |
| Regulatory reference                           | Uradni list RS, št. 72/2021 z dne 11.5.2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Spain - Occupational Exposure Limits           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                     | n-Butanol (Alcohol n-butílico)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| VLA-ED (OEL TWA) [1]                           | 61 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| VLA-ED (OEL TWA) [2]                           | 20 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| VLA-EC (OEL STEL)                              | 154 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| VLA-EC (OEL STEL) [ppm]                        | 50 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Regulatory reference                           | Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| North Macedonia - Occupational Exposure Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                     | Бутан-1-ол                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| OEL TWA                                        | 310 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| OEL TWA [ppm]                                  | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| KTV                                            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Short time value [mg/m <sup>3</sup> ]          | 310 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Short time value [ppm]                         | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Remark                                         | (KTV) краткотрајна вредност (КТВ) значи концентрација на опасни хемиски супстанции во воздухот на работното место внатре во зона на дишење, на која работникот без опасност по здравјето може да е изложен на покусно време. Изложеноста на краткотрајни вредности може да трае највеќе 15 минути и не смее да се повтори повеќе од четирипати во работната смена, при што меѓу две изложености на оваа концентрација мора да измине најмалку 60 минути. Краткотрајната вредност е изразена во mg/m <sup>3</sup> или во ml/m <sup>3</sup> (ppm) а е дадена како многукратни дозволени пречекорувања на граничната вредност; (Y) |
| Regulatory reference                           | Правилник за минималните барања за безбедност и здравје при работа на вработени од ризици поврзани со изложување на хемиски супстанции („Службен весник на Република Македонија“ бр.46/10)                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### 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

### 8.1.5. Control banding

No additional information available

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Dust/aerosol mask with filter type P1. Gloves. Protective clothing.

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



##### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

##### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective 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:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                                                 |                         |
|-------------------------------------------------|-------------------------|
| Physical state                                  | : Liquid                |
| Colour                                          | : red.                  |
| Odour                                           | : Characteristic odour. |
| Odour threshold                                 | : No data available     |
| pH                                              | : Approx. 7             |
| Relative evaporation rate (butylacetate=1)      | : No data available     |
| Melting point                                   | : No data available.    |
| Freezing point                                  | : No data available     |
| Boiling point                                   | : No data available     |
| Flash point                                     | : 26 °C                 |
| Auto-ignition temperature                       | : No data available.    |
| Decomposition temperature                       | : No data available     |
| Flammability (solid, gas)                       | : Not applicable        |
| Vapour pressure                                 | : No data available     |
| Relative vapour density at 20 °C                | : No data available.    |
| Relative density                                | : 1.24                  |
| Solubility                                      | : No data available     |
| Partition coefficient n-octanol/water (Log Pow) | : No data available     |
| Viscosity, kinematic                            | : No data available     |
| Viscosity, dynamic                              | : No data available     |

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|                      |                     |
|----------------------|---------------------|
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits     | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

|                                   |                                                                        |
|-----------------------------------|------------------------------------------------------------------------|
| Acute toxicity (oral)             | : Not classified                                                       |
| Acute toxicity (dermal)           | : Not classified                                                       |
| Acute toxicity (inhalation)       | : Not classified                                                       |
| Skin corrosion/irritation         | : Causes skin irritation.<br>pH: Approx. 7                             |
| Serious eye damage/irritation     | : Causes serious eye irritation.<br>pH: Approx. 7                      |
| Respiratory or skin sensitisation | : Not classified                                                       |
| Germ cell mutagenicity            | : Not classified                                                       |
| Carcinogenicity                   | : Not classified                                                       |
| Reproductive toxicity             | : Not classified                                                       |
| STOT-single exposure              | : May cause drowsiness or dizziness. May cause respiratory irritation. |

#### BUTAN-1-OL (71-36-3)

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

#### Alkyd Resin

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

#### CAROMAX 18 (64742-95-6)

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

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



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### Alkyd Resin

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general

: Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute)

: Not classified

Hazardous to the aquatic environment, long-term (chronic)

: Toxic to aquatic life with long lasting effects.

Not rapidly degradable

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information

: Flammable vapours may accumulate in the container.

## SECTION 14: Transport information

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

| ADR                                                     | IMDG                                                              | IATA                                             | ADN                                              | RID                                              |
|---------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>14.1. UN number</b>                                  |                                                                   |                                                  |                                                  |                                                  |
| UN 1263                                                 | UN 1263                                                           | UN 1263                                          | UN 1263                                          | UN 1263                                          |
| <b>14.2. UN proper shipping name</b>                    |                                                                   |                                                  |                                                  |                                                  |
| PAINT                                                   | PAINT                                                             | Paint                                            | PAINT                                            | PAINT                                            |
| <b>Transport document description</b>                   |                                                                   |                                                  |                                                  |                                                  |
| UN 1263 PAINT, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS | UN 1263 PAINT, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1263 Paint, 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS | UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS |

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| ADR                                                                               | IMDG                                                                              | IATA                                                                              | ADN                                                                                | RID                                                                                 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>14.3. Transport hazard class(es)</b>                                           |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| 3                                                                                 | 3                                                                                 | 3                                                                                 | 3                                                                                  | 3                                                                                   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>                                                        |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| III                                                                               | III                                                                               | III                                                                               | III                                                                                | III                                                                                 |
| <b>14.5. Environmental hazards</b>                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| Dangerous for the environment: Yes                                                | Dangerous for the environment: Yes<br>Marine pollutant: Yes                       | Dangerous for the environment: Yes                                                | Dangerous for the environment: Yes                                                 | Dangerous for the environment: Yes                                                  |
| 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                                   |
| 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. |

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### 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

|                                   |                 |
|-----------------------------------|-----------------|
| Classification code (ADN)         | : F1            |
| Special provisions (ADN)          | : 163, 367, 650 |
| Limited quantities (ADN)          | : 5 L           |
| Excepted quantities (ADN)         | : E1            |
| Equipment required (ADN)          | : PP, EX, A     |
| Ventilation (ADN)                 | : VE01          |
| Number of blue cones/lights (ADN) | : 0             |

### 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. Transport in bulk according to Annex II of Marpol and the 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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Organic solvent

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

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### 15.1.2. National regulations

| France                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Occupational diseases |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Code                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RG 84                 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

#### Germany

|                                            |                                                                                                                                                                                     |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Employment restrictions                    | : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)<br>Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG) |
| Water hazard class (WGK)                   | : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)                                                                                                      |
| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)                                                                                                                  |

#### Netherlands

|                                                      |                                                                                                                                                                                                  |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ABM category                                         | : Z(1) - non biodegradable substances with hazardous properties for humans and the environment (carcinogenicity/ mutagenicity/ reprotoxicity/bioaccumulative potential/ toxicity or persistence) |
| SZW-lijst van kankerverwekkende stoffen              | : CAROMAX 18 is listed                                                                                                                                                                           |
| SZW-lijst van mutagene stoffen                       | : CAROMAX 18 is listed                                                                                                                                                                           |
| SZW-lijst van reprotoxische stoffen – Borstvoeding   | : None of the components are listed                                                                                                                                                              |
| SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | : None of the components are listed                                                                                                                                                              |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling   | : None of the components are listed                                                                                                                                                              |

#### Denmark

|                             |                                                                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Class for fire hazard       | : Class II-1                                                                                                                                                                        |
| Store unit                  | : 5 liter                                                                                                                                                                           |
| Classification remarks      | : R10 <H226;H315;H319;H335;H336;H373;H411>; Emergency management guidelines for the storage of flammable liquids must be followed                                                   |
| Danish National Regulations | : Young people below the age of 18 years are not allowed to use the product<br>Pregnant/breastfeeding women working with the product must not be in direct contact with the product |

#### Switzerland

|                    |                            |
|--------------------|----------------------------|
| Storage class (LK) | : LK 3 - Flammable liquids |
|--------------------|----------------------------|

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| 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             |
| ATE                         | Acute Toxicity Estimate                                                                         |
| BCF                         | Bioconcentration factor                                                                         |
| BLV                         | Biological limit value                                                                          |
| BOD                         | Biochemical oxygen demand (BOD)                                                                 |
| COD                         | Chemical oxygen demand (COD)                                                                    |
| DMEL                        | Derived Minimal Effect level                                                                    |
| DNEL                        | Derived-No Effect Level                                                                         |

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| Abbreviations and acronyms: |                                                                              |
|-----------------------------|------------------------------------------------------------------------------|
| EC-No.                      | European Community number                                                    |
| EC50                        | Median effective concentration                                               |
| EN                          | European Standard                                                            |
| IARC                        | International Agency for Research on Cancer                                  |
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration                                                  |
| LD50                        | Median lethal dose                                                           |
| LOAEL                       | Lowest Observed Adverse Effect Level                                         |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level                                             |
| NOEC                        | No-Observed Effect Concentration                                             |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit                                                  |
| PBT                         | Persistent Bioaccumulative Toxic                                             |
| PNEC                        | Predicted No-Effect Concentration                                            |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet                                                            |
| STP                         | Sewage treatment plant                                                       |
| ThOD                        | Theoretical oxygen demand (ThOD)                                             |
| TLM                         | Median Tolerance Limit                                                       |
| VOC                         | Volatile Organic Compounds                                                   |
| CAS-No.                     | Chemical Abstract Service number                                             |
| N.O.S.                      | Not Otherwise Specified                                                      |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties                                              |

| Full text of H- and EUH-statements: |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4                               |
| 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                                     |
| EUH208                              | Contains COBALT 6%(13586-82-8). May produce an allergic reaction. |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Flam. Liq. 3                        | Flammable liquids, Category 3                                     |
| H226                                | Flammable liquid and vapour.                                      |

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| Full text of H- and EUH-statements: |                                                                          |
|-------------------------------------|--------------------------------------------------------------------------|
| H302                                | Harmful if swallowed.                                                    |
| H304                                | May be fatal if swallowed and enters airways.                            |
| H312                                | Harmful in contact with skin.                                            |
| H315                                | Causes skin irritation.                                                  |
| H317                                | May cause an allergic skin reaction.                                     |
| H318                                | Causes serious eye damage.                                               |
| H319                                | Causes serious eye irritation.                                           |
| H332                                | Harmful if inhaled.                                                      |
| H335                                | May cause respiratory irritation.                                        |
| H336                                | May cause drowsiness or dizziness.                                       |
| H361                                | Suspected of damaging fertility or the unborn child.                     |
| H361d                               | Suspected of damaging the unborn child.                                  |
| H361fd                              | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H373                                | May cause 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 Irrit. 2                       | Skin corrosion/irritation, Category 2                                    |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                           |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2           |
| 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.