

Product METALSHIELD Silver
 Revision date 27 November 2020
 Revision 1



Safety Data Sheet (SDS)
 according to Regulation (EC) No. 1907/2006

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name METALSHIELD Silver
Other means of identification 6T5X-GE04-W200-Y9V1

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

Identified uses Paint or paint related material.
Uses advised against Any other purpose.

1.3 Details of the supplier of the safety data sheet

Supplier FSW Coatings Ltd
 Virginia
 Co Cavan
 Ireland
 Tel: 353 49854 7209
Contact person info@fsw.ie

1.4 Emergency telephone number

Emergency telephone + 353 49854 7209 (Between 0900 and 1700 hrs Monday-Friday)
National emergency telephone number Outside those hours, contact National Poisons Information Centre, Beaumont Hospital.
 Members of Public: +353 (1) 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week) Healthcare
 Professionals: +353 (1) 809 2566 (24 hour service)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
 Physical and chemical hazards Flam. Liq 3- H226
 Human health Eye Irrit.2A - H319, STOT SE 3 - H336
 Environment Aquatic Chronic 2 - H411

2.2 Label elements

Contains docusate sodium
 Butanone oxime
 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
 Hydrocarbons, C9-C12, n-Alkanes, Isoalkanes, Cyclics, Aromatics (5-25%) / Naphtha (petroleum),
 hydrodesulfurized heavy (benzene < 0,1 %)

Label in accordance with (EC) no. 1272/2008



Signal word Warning

Hazard statements H226 Flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements **Prevention**
 P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking.

P233 Keep container tightly closed.
P271 Use only outdoors or in a well-ventilated area.

Response

P370 + P378 In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO₂) for extinction.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

EUH statements

EUH208 Contains Butanone oxime and cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients**3.1 Substance**

Not applicable.

3.2 Mixtures

| Name | Product identifier | Regulation (EC) No 1272/2008 | % |
|--|---|---|----------|
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | CAS-No.: EC No.: 919-857-5 | Asp. Tox - H304, Flam. Liq 3- H226, STOT SE 3 - H336 | 40-50% |
| trizinc bis(orthophosphate) | CAS-No.: 7779-90-0 EC No.: 231-944-3 | Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 | 5-10% |
| Aluminium powder (stabilised) | CAS-No.: 7429-90-5 EC No.: 231-072-3 | Flam. Sol 1- H228, Water-react 2 - H261 | 1-5% |
| Hydrocarbons, C9-C12, n-Alkanes, Isoalkanes, Cyclics, Aromatics (5-25%) / Naphtha (petroleum), hydrodesulfurized heavy (benzene < 0,1 %) | CAS-No.: 64742-82-1 EC No.: 919-446-0 REACH Reg No.: 01-2119458049-33 | STOT SE 3 - H336, Asp. Tox - H304, Flam. Liq 3- H226, Aquatic Chronic 2 - H411 | 1-5% |
| 1-methoxy-2-propanol monopropylene glycol methyl ether | CAS-No.: 107-98-2 EC No.: 203-539-1 | Flam. Liq 3- H226, STOT SE 3 - H336 | 1-5% |
| docusate sodium | CAS-No.: 577-11-7 EC No.: 209-406-4 | Skin Irrit.2 - H315, Eye Dam. 1 - H318 | 0.1-0.9% |
| Butanone oxime | CAS-No.: 96-29-7 EC No.: 202-496-6 | Acute Tox 4 - H312, Skin. Sens 1 - H317, Eye Dam. 1 - H318, Carc. 2 - H351 | 0.1-0.9% |
| 2-ethylhexanoic acid, zirconium salt | CAS-No.: 22464-99-9 EC No.: 245-018-1 | Repr. 2 - H361d | 0.1-0.9% |
| Isopropoxyethanol | CAS-No.: 109-59-1 EC No.: 203-685-6 REACH Reg No.: 1-2119494720-35-xxxx | Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Irrit.2 - H315, Eye Irrit.2A - H319, Flam. Liq 3- H226 | 0.1-0.9% |
| cobalt bis(2-ethylhexanoate) | CAS-No.: 136-52-7 EC No.: 205-250-6 | Aquatic Acute 1 - H400, Aquatic Chronic 3 - H412, Eye Irrit.2A - H319, Repr. 2 - H361, Skin. Sens 1 A- H317, Repr. 1B- H360 | 0.1-0.9% |
| naphthalene | CAS-No.: 91-20-3 EC No.: 202-049-5 | Acute Tox 4 - H302, Carc. 2 - H351, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 | <0.1% |
| Ethanol | CAS-No.: 64-17-5 EC No.: 200-578-6 REACH Reg No.: 01-2119457610-43 | Eye Irrit.2A - H319, Flam. Liq 2- H225 | <0.1% |
| dodecane-1-thiol | CAS-No.: 112-55-0 EC No.: 203-984-1 | Skin Corr. 1C - H314, Skin. Sens 1 A- H317, Aquatic Chronic 1 - H410 | <0.1% |
| nonane | CAS-No.: 111-84-2 EC No.: 203-913-4 | Aquatic Chronic 1 - H410, Skin Irrit.2 - H315, Asp. Tox - H304, Flam. Liq 3- H226, STOT SE 3 - H336 | <0.1% |
| propionic acid | CAS-No.: 79-09-4 EC No.: 201-176-3 | Skin Corr. 1B - H314 | <0.1% |
| octane | CAS-No.: 111-65-9 EC No.: 203-892-1 | Aquatic Chronic 1 - H410, Skin Irrit.2 - H315, Asp. Tox - H304, Flam. Liq 2- H225, STOT SE 3 - H336 | <0.1% |

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures

4.1 Description of first aid measures

| | |
|----------------------------|--|
| General information | General first aid, rest, warmth and fresh air. |
| Inhalation | Remove the affected person to fresh air, obtain medical attention if symptoms persist. |
| Ingestion | Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately. |
| Skin contact | Remove contaminated clothing immediately and wash skin with soap and water. Launder contaminated clothing before reuse. Get medical attention if symptoms persist. |
| Eye contact | Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Rinse with a gentle stream water for at least 15 minutes. Get prompt medical attention. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|----------------------------|---|
| General information | The severity of the symptoms described will vary dependant of the concentration and the length of exposure. |
| Inhalation | May cause drowsiness or dizziness. |
| Ingestion | Prolonged exposure to product may cause irritation to lining of the mouth. |
| Skin contact | May cause an allergic skin reaction. |
| Eye contact | Causes serious eye irritation. |

4.3 Indication of any immediate medical attention and special treatment needed

| | |
|-------------------------------|------------------------|
| Notes to the physician | Treat symptomatically. |
|-------------------------------|------------------------|

Section 5: Fire-fighting measures

5.1 Extinguishing media

| | |
|---------------------------------------|--|
| Extinguishing media | Use fire-extinguishing media appropriate for surrounding materials. Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames. |
| Unsuitable extinguishing media | High volume water jet. |

5.2 Special hazards arising from the substance or mixture

| | |
|---|--|
| Hazardous combustion products | When heated, toxic and corrosive vapours/gases may be formed |
| Unusual fire & explosion hazards | No unusual fire or explosion hazards noted. |
| Specific hazards | If heated, harmful vapours may be formed. |

5.3 Advice for firefighters

| | |
|--|---|
| Special fire fighting procedures | Avoid breathing fire vapours. Keep up-wind to avoid fumes. Fight advanced or massive fires from safe distance or protected location. Do not scatter spilled material with more water than needed to fight the fire Do not get water inside container |
| Protective equipment for firefighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

| | |
|------------------------------------|--|
| For non-emergency personnel | Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use open fire or other sources of ignition. Make safe all sources of ignition. Avoid contact with skin and eyes. |
| For emergency responders | Follow safe handling advice and personal protective equipment recommendations for normal use of product. |

6.2 Environmental precautions

| | |
|----------------------------------|--|
| Environmental precautions | Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. |
|----------------------------------|--|

6.3 Methods and material for containment and cleaning up

| | |
|-------------------------------|---|
| Spill clean up methods | Stop leak if possible without risk. Wear necessary protective equipment. Absorb spillage with non-combustible, absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage. |
|-------------------------------|---|

6.4 Reference to other sections

| | |
|------------------------------------|---|
| Reference to other sections | For waste disposal, see section 13. See section 1 for emergency contact. For personal protection, see section 8 |
|------------------------------------|---|

Section 7: Handling and storage**7.1 Precautions for safe handling**

| | |
|-----------------|---|
| Handling | Read and follow manufacturer's recommendations. Do not handle broken packages without protective equipment. Avoid spilling, skin and eye contact. Do not use contact lenses. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Ensure adequate ventilation. Vapours are heavier than air and may spread along floors. Do not eat, drink or smoke when using the product. |
|-----------------|---|

7.2 Conditions for safe storage, including any incompatibilities

| | |
|----------------------------|--|
| Storage precautions | Store in tightly closed original container in a dry, cool and well-ventilated place. Keep upright. Keep locked up and out of reach of children. Avoid storing for very long periods. Keep container tightly sealed when not in use. Bags or containers, which are opened, must be carefully resealed to prevent leakage. Avoid contact with oxidising agents. Store away from acids. Store separate from alkalis. Store in cool dry areas away from direct sunlight or sources of ignition. Store away from other chemicals. |
| Storage class | Flammable liquid storage. |

7.3 Specific end use(s)

| | |
|----------------------------|--|
| Specific end use(s) | The identified uses for this product are detailed in Section 1. |
| Usage description | Use only according to directions. Replace and tighten cap after use. |

Section 8: Exposure controls/Personal protection**8.1 Control parameters**

| Component | STD | TWA (8 Hrs) | | STEL (15mins) | | Notes |
|--|-----|-------------|--|---------------|-----------------------|-------|
| Aluminium powder (stabilised) | OEL | | 1 (R) mg/m ³ | | | |
| Aluminium powder (stabilised) | WEL | | 10 inhalable aerosol mg/m ³ | | | |
| Aluminium powder (stabilised) | WEL | | 4 respirable aerosol mg/m ³ | | | |
| 1-methoxy-2-propanol monopropylene glycol methyl ether | OEL | 100 ppm | 375 mg/m ³ | 150 ppm | 568 mg/m ³ | IOELV |
| 1-methoxy-2-propanol monopropylene glycol methyl ether | WEL | 100 ppm | 375 mg/m ³ | 150 ppm | 560 mg/m ³ | Sk |
| Butanone oxime | OEL | 3 ppm | 10 mg/m ³ | 10 ppm | 33 mg/m ³ | Sens |
| Isopropoxyethanol | OEL | 25 ppm | 106 mg/m ³ | | | Sk |
| Ethanol | OEL | | | 1000 ppm | | |
| Ethanol | WEL | 1000 ppm | 1920 mg/m ³ | | | |
| dodecane-1-thiol | OEL | 0.1 ppm | | | | Sens |
| Naphthalene | OEL | 10 ppm | 50 mg/m ³ | | | IOELV |
| nonane | OEL | 200 ppm | 1050 mg/m ³ | | | |
| propionic acid | OEL | 10 ppm | 31 mg/m ³ | 20 ppm | 62 mg/m ³ | IOELV |
| propionic acid | WEL | 10 ppm | 31 mg/m ³ | 15 ppm | 46 mg/m ³ | |
| octane | OEL | 300 ppm | 1450 mg/m ³ | | | |

| | |
|----------------------------|---|
| Ingredient comments | Ireland, Occupational Exposure Limits 2020. Workplace Exposure Limits Guidance Note EH40/2005. |
|----------------------------|---|

8.2 Exposure Controls

Protective equipment



Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

Use type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as CEN (EU). Use respiratory protective components with combined A/B/E/KP filter(s) for organic/inorganic/acid/ammonia and particulates.

Hand protection

Use suitable protective gloves if there is a risk of skin contact. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Change gloves regularly. Suggested material: Nitrile rubber gloves. Minimum layer thickness: 0.7mm. Minimum breakthrough time / gloves: 480 min.

Eye protection

Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Other protection

Protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. The selected clothing must satisfy the European norm standard EN 943.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Process conditions

Keep container tightly sealed when not in use. Ensure that eye flushing systems are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|---|
| Appearance | Viscous liquid. |
| Colour | Silver |
| Odour | Faint hydrocarbon odour. |
| Odour threshold - lower | No information available as testing has not been completed. |
| Odour threshold - upper | No information available as testing has not been completed. |
| pH-Value, Conc. Solution | Not applicable. |
| pH-Value, Diluted solution | Not applicable. |
| Melting point | Not applicable. |
| Initial boiling point and boiling range | Not applicable. |
| Flash point | 40.00 °C |
| Evaporation rate | Not applicable. |
| Flammability state | Flammable liquid and vapour. |
| Flammability limit - lower(%) | Lower: 1.48% |
| Flammability limit - upper(%) | Upper: 13.74% |
| Vapour pressure | Not applicable. |
| Vapour density (air=1) | Highest known value: 1.1 kPa (8.5 mm Hg) (at 20°C) |

| | |
|---|---|
| Relative density | 0.96 |
| Bulk density | No information available as testing has not been completed. |
| Solubility | Insoluble in cold water. |
| Decomposition temperature | Stable under normal handling and storage conditions |
| Partition coefficient; n-Octanol/Water | No information available as testing has not been completed. |
| Auto ignition temperature (°C) | Lowest known value: 270°C |
| Viscosity | Kinematic (25°C): = 5.63 cm ² /s |
| Explosive properties | Formation of explosive vapour is possible. |
| Oxidising properties | The product does not meet the criteria to be classified as oxidising. |

9.2 Other information

| | |
|----------------------------------|--|
| Molecular weight | No information available as testing has not been completed. |
| Volatile organic compound | 453g/l (max) |
| Other information | Volume solids: 46.0% +/- 1.0% Weight Solids: 52.0% +/- 1.0% |

Section 10: Stability and reactivity

10.1 Reactivity

| | |
|-------------------|---|
| Reactivity | Reactions may occur with strong oxidising agents. |
|-------------------|---|

10.2 Chemical stability

| | |
|------------------|---|
| Stability | Stable under normal temperature conditions and recommended use. |
|------------------|---|

10.3 Possibility of hazardous reactions

| | |
|-----------------------------------|---|
| Hazardous reactions | For information on hazardous reaction see section 10.1. |
| Hazardous polymerisation | Unknown. |
| Polymerisation description | Unknown. |

10.4 Conditions to Avoid

| | |
|----------------------------|--|
| Conditions to avoid | Avoid heat, flames and other sources of ignition. Extremes of temperature and direct sunlight. |
|----------------------------|--|

10.5 Incompatible materials

| | |
|---------------------------|---|
| Materials to avoid | Strong oxidising substances. Do not mix with other chemicals unless listed on directions. |
|---------------------------|---|

10.6 Hazardous decomposition products

| | |
|---|--|
| 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 toxicological effects

| | |
|-------------------------------------|--|
| Toxicological information | No toxicological information for the overall finished product. |
| Acute toxicity (Oral LD50) | No information available as testing has not been completed. |
| Acute toxicity (Dermal LD50) | No information available as testing has not been completed. |

| | |
|--|--|
| Acute toxicity (Inhalation LD50) | No information available as testing has not been completed. |
| Serious eye damage/irritation | Causes serious eye irritation. |
| Skin corrosion/irritation | The product is not classified as a skin corrosion/irritation hazard. |
| Respiratory sensitisation | The product is not classified as a respiratory hazard. |
| Skin sensitisation | The product is not classified as a skin sensitisation hazard. |
| Germ cell mutagenicity | The product is not classified as a mutagen. |
| Carcinogenicity | The product is not classified as a carcinogen hazard. |
| Specific target organ toxicity - Single exposure: | |
| STOT - Single exposure | The product is classified as a single exposure specific target organ toxin. |
| Specific target organ toxicity - Repeated exposure: | |
| STOT - Repeated exposure | The product is not classified as a repeat exposure specific target organ toxin. |
| Inhalation | May cause drowsiness or dizziness. |
| Ingestion | Prolonged exposure to product may cause irritation to lining of the mouth. |
| Skin contact | May cause an allergic skin reaction. |
| Eye contact | Causes serious eye irritation. |
| Waste management | When handling waste, consideration should be made to the safety precautions applying to handling of the product. |
| Routes of entry | Eyes, skin, ingestion or inhalation. |
| Target organs | Eyes, skin, digestive system, respiratory system. |
| Aspiration hazards: | The product is not classified as an aspiration hazard. |
| Reproductive toxicity: | The product is not classified as a reproductive hazard. |

| Name | LD50 oral | LD50 dermal | LD50 inhalation |
|--|--|--|--|
| 1-methoxy-2-propanol monopropylene glycol methyl ether | =4016.00mg/kg Rat | | =6500.00ppmV Rat 4 Hours |
| propionic acid | 2600.00mg/kg Rat | 525.00mg/kg Rabbit | |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | >5000.00mg/kg Rat >5000.00mg/kg Rat | >5000.00mg/kg Rabbit >5000.00mg/kg Rabbit | >6.10mg/l (vapours) Rat 4 Hours >6.10mg/l (vapours) Rat 4 Hours |
| 2-ethylhexanoic acid, zirconium salt | >5.00g/kg Rat | >5.00g/kg Rabbit | |
| docusate sodium | >2100.00mg/kg Rat | >10000.00mg/kg Rat | |
| Isopropoxyethanol | 5600.00mg/kg Rat | 1440.00mg/kg Rabbit | |
| Ethanol | 7060.00mg/kg Rat | | 124.70mg/l (vapours) Rat 4 Hours |
| Naphthalene | >2000.00mg/kg Rat | >2000.00mg/kg Rabbit | |

Section 12: Ecological information

12.1 Toxicity

| | |
|---|--|
| Acute toxicity - Fish | No information available as testing has not been completed. |
| Acute toxicity - Aquatic invertebrates | No information available as testing has not been completed. |
| Acute toxicity - Aquatic plants | No information available as testing has not been completed. |
| Acute toxicity - Microorganisms | No information available as testing has not been completed. |
| Chronic toxicity - Fish | No information available as testing has not been completed. |
| Chronic toxicity - Aquatic invertebrates | No information available as testing has not been completed. |
| Chronic toxicity - Aquatic plants | No information available as testing has not been completed. |
| Chronic toxicity - Microorganisms | No information available as testing has not been completed. |
| Ecotoxicity | The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. |
| Eco toxicological information | The product contains a substance which is toxic to aquatic organisms. |

12.2 Persistence and degradability

| | |
|---------------------------------|---|
| Degradability | The degradability of the product has not been stated. |
| Biological oxygen demand | No information available as testing has not been completed. |
| Chemical oxygen demand | No information available as testing has not been completed. |

12.3 Bioaccumulative potential

| | |
|---|---|
| Bioaccumulative potential | No data available on bioaccumulation. |
| Bioaccumulation factor | No information available as testing has not been completed. |
| Partition coefficient; n-Octanol/Water | No information available as testing has not been completed. |

12.4 Mobility in soil

| | |
|-----------------|--------------------------|
| Mobility | Insoluble in cold water. |
|-----------------|--------------------------|

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

12.6 Other adverse effects

| | |
|------------------------------|-------------|
| Other adverse effects | None known. |
|------------------------------|-------------|

| Name | Acute toxicity (Fish) | Acute toxicity (Aquatic invertebrates) | Acute toxicity (Aquatic plants) |
|--|---|---|---|
| Butanone oxime | LC50 48 Hours 560.00mg/l LC50 96 Hours 46.00mg/l Lepomis macrochirus (Bluegill) | LC50 48 Hours 750.00mg/l Daphnia magna | LC50 72 Hours 83.00mg/l |
| 1-methoxy-2-propanol monopropylene glycol methyl ether | LC50 96 Hours =6812.00mg/l Leuciscus idus (Golden Orfe) | LC50 48 Hours =23000.00mg/l Daphnia magna | EC50 =1000.00mg/l Selenastrum Capricornutum |
| propionic acid | LC50 96 Hours 51.00ppm Onchorhynchus mykiss (Rainbow Trout) | EC50 48 Hours 22.70ppm Daphnia magna | EC50 96 Hours 43.00mg/l |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | LC50 96 Hours >100.00ppm Freshwater Fish LC50 96 Hours >100.00ppm Freshwater Fish | LC50 48 Hours >100.00ppm Daphnia magna LC50 48 Hours >100.00ppm Daphnia magna | |
| docusate sodium | LC50 96 Hours 49.00mg/l Brachydanio rerio (Zebra Fish) | EC50 48 Hours 6.60mg/l Daphnia magna | |
| Isopropoxyethanol | | EC50 48 Hours 3610.00ppm Daphnia magna | |
| Ethanol | LC50 96 Hours 100.00mg/l Pimephales promelas (Fat-head Minnow) | | |

Section 13: Disposal considerations

| | |
|-------------------------|--|
| Waste management | When handling waste, consideration should be made to the safety precautions applying to handling of the product. |
|-------------------------|--|

13.1 Waste treatment methods

| | |
|-------------------------|--|
| Disposal methods | Dispose of waste and residues in accordance with local authority requirements, and in accordance with all local, national and international regulations. |
|-------------------------|--|

Section 14: Transport information**14.1 UN number**

| | |
|----------------------|--------|
| UN no. (ADR) | UN1263 |
| UN no. (IMDG) | UN1263 |
| UN no. (IATA) | UN1263 |

14.2 UN proper shipping name

| | |
|----------------------------------|---------------------------------|
| ADR proper shipping name | PAINT or PAINT RELATED MATERIAL |
| IMDG proper shipping name | PAINT or PAINT RELATED MATERIAL |
| IATA proper shipping name | PAINT |

14.3 Transport hazard class(es)

| | |
|-------------------|---|
| ADR class | 3 |
| IMDG class | 3 |
| IATA class | 3 |

Transport labels

**14.4 Packing group**

| | |
|---------------------------|-----|
| ADR/RID/ADN packing group | III |
| IMDG packing group | III |
| IATA packing group | III |

14.5 Environmental hazards

| | |
|------|-----|
| ADR | Yes |
| IMDG | Yes |
| IATA | Yes |

14.6 Special precautions for user

| | |
|-------------------------|-------------|
| EMS | F-E, S-E |
| Emergency action code | A3 A72 A192 |
| Hazard no. (ADR) | 30 |
| Tunnel restriction code | (D/E) |

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code

Not applicable.

Section 15: Regulatory information**15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

| | |
|-----------------------------------|--|
| EU legislation | Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Reach Regulation (EC) No 453/2010. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 830/2015 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). |
| Approved code of practice | 2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019) Workplace Exposure Limits Guidance Note EH40/2005. |
| Chemical safety assessment | No chemical safety assessment has been carried out. |

Section 16: Other information

| | |
|---------------------------------|---|
| General information | This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010. |
| Revision comments | This is a first issue. |
| Revision date | 27 November 2020 |
| Revision | 1 |
| Safety data sheet status | Approved. |

Hazard statements in full

| | |
|---------------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H228 | Flammable solid. |

| | |
|---------------|---|
| H261 | In contact with water releases flammable gases. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H335 | May cause respiratory irritation. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H312 | Harmful in contact with skin. |
| H317 | May cause an allergic skin reaction. |
| H351 | Suspected of causing cancer . |
| H319 | Causes serious eye irritation. |
| H302 | Harmful if swallowed. |
| H361 | Suspected of damaging fertility or the unborn child . |
| H332 | Harmful if inhaled. |
| H360 | May damage fertility or the unborn child . |
| H412 | Harmful to aquatic life with long lasting effects. |
| H225 | Highly flammable liquid and vapour. |
| H314 | Causes severe skin burns and eye damage. |
| EUH208 | Contains Butanone oxime and cobalt bis(2-ethylhexanoate). May produce an allergic reaction. |

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.