

Safety data sheet

acc. to (EC) No 1907/2006, as amended by UK SI 2019/758

Printing date 09.11.2021

Version number 4

Revision: 09.11.2021

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

· 1.1 Product identifier

· Trade name: illbruck OT115

· MSDS code: W-I-OT115

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

Only for trade users / technical specialists

· Application of the substance / the mixture Primer / Subcoating

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Tremco CPG UK Ltd

tremco illbruck Ltd

Coupland Road, Hindley Green, WIGAN, WN2 4HT

T: +44 (0) 1942251400, F: +44 (0) 1942251410

msds@cpg-europe.com

· Further information obtainable from:

Tremco CPG UK Ltd

Coupland Road, Hindley Green, Wigan, WN2 4HT

T: +44 (0) 1942251400, F: +44 (0) 1942251410

www.cpg-europe.com, info.uk@cpg-europe.com

· 1.4 Emergency telephone number:

During office hours tel.: +44 (0) 1942251400. At all other times it is recommended to call NHS 111 (England/Wales/Scotland), your local GP/pharmacist (NI), 01 809 2166 (ROI), or otherwise to contact a doctor.

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Carc. 2 H351 Suspected of causing cancer.

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

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· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms



GHS02 GHS07 GHS08

· Signal word Danger

· Contains:

xylene

Isocyanic acid, polymethylenepolyphenylene ester

4,4'-methylenediphenyl diisocyanate

o-(p-isocyanatobenzyl)phenyl isocyanate

2-methoxy-1-methylethyl acetate

· Hazard statements

H226 Flammable liquid and vapour.

H312+H332 Harmful in contact with skin or if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe vapours.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER.

P331 Do NOT induce vomiting.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Supplemental information:

EUH204 Contains isocyanates. May produce an allergic reaction.

As from 24 August 2023 adequate training is required before industrial or professional use.

Restricted to professional users.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

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· **vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients**· **3.2 Mixtures**· **Description:** Mixture of substances listed below with non-hazardous additions.· **Dangerous components:**

| | | |
|---|---|---------|
| CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx | xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 | 30-<50% |
| CAS: 9016-87-9 EC number: 618-498-9 | Isocyanic acid, polymethylenepolyphenylene ester Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 | 20-<30% |
| CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-xxxx | 2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336 | 20-<30% |
| CAS: 25322-69-4 NLP: 500-039-8 Reg.nr.: 01-2119489370-35-xxxx | Polypropylene glycol Acute Tox. 4, H302 | 10-<20% |
| CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35-xxxx | ethylbenzene Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Aquatic Chronic 3, H412 | 5-<10% |
| CAS: 101-68-8 EINECS: 202-966-0 Reg.nr.: 01-2119457014-47-xxxx | 4,4'-methylenediphenyl diisocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 | 1-<5% |
| CAS: 5873-54-1 EINECS: 227-534-9 Reg.nr.: 01-2119480143-45-xxxx | o-(p-isocyanatobenzyl)phenyl isocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 | 1-<5% |
| CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51-xxxx | toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Chronic 3, H412 | 0.1-<1% |

· **SVHC -**· **Additional information:**

For the wording of the listed hazard phrases refer to section 16.

While curing the following substances are formed and released by a reaction with atmospheric humidity:

Carbon dioxide (CO₂)

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out of danger area and lay down.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Do not induce vomiting; call for medical help immediately.

Information for doctor: No further relevant information available.

4.2 Most important symptoms and effects, both acute and delayed

Breathing difficulty

Asthma attacks

Allergic reactions

May be fatal if swallowed and enters airways.

Harmful by inhalation and in contact with skin.

Irritating to eyes, respiratory system and skin.

Vapours may cause drowsiness and dizziness.

Causes damage to organs through prolonged or repeated exposure.

Hazards No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Hydrogen cyanide (HCN)

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- **5.3 Advice for firefighters**
- **Protective equipment:**
Mouth respiratory protective device.
Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Do not allow water to get inside the containers.
Danger of bursting.

* **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**
Keep away from ignition sources.
Ensure adequate ventilation.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Use explosion-proof apparatus / fittings and spark-proof tools.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Do not seal receptacles gas-tight.
Ensure adequate ventilation.
Dispose of contaminated material as waste according to Section 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**
Avoid contact with the eyes and skin.
Ensure good ventilation/exhaustion at the workplace.
Do not eat, drink, smoke or sniff while working.
Ensure that washing facilities are available at the work place.
Wash contaminated clothing before reuse.
- **Information about fire - and explosion protection:**
Flammable liquid and vapour.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Ground and bond container and receiving equipment.
Use explosion-proof apparatus / fittings and spark-proof tools.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Provide ventilation for receptacles.
Store only in unopened original receptacles.

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- **Information about storage in one common storage facility:**
Protect from heat and direct sunlight.
Store away from water.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)**
As from 24 August 2023 adequate training is required before industrial or professional use.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

CAS: 1330-20-7 xylene

| | |
|-----|--|
| WEL | Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV |
|-----|--|

CAS: 100-41-4 ethylbenzene

| | |
|-----|---|
| WEL | Short-term value: 552 mg/m ³ , 125 ppm Long-term value: 441 mg/m ³ , 100 ppm Sk |
|-----|---|

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate

| | |
|-----|---|
| WEL | Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO |
|-----|---|

CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

| | |
|-----|---|
| WEL | Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO |
|-----|---|

CAS: 108-88-3 toluene

| | |
|-----|--|
| WEL | Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 191 mg/m ³ , 50 ppm Sk |
|-----|--|

· PNECs

CAS: 9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester

| | |
|------|--|
| PNEC | 1 mg/L (fresh water) 1 mg/L (sewage treatment plant) 0.1 mg/L (salt water) |
| PNEC | 1 mg/kg (soil) |

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate

| | |
|------|---|
| PNEC | 1 mg/L (fresh water) 1 mg/L (sewage treatment plant) 10 mg/L (intermittent release) |
|------|---|

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| | |
|--|--|
| PNEC | 0.1 mg/L (salt water) 1 mg/kg (soil) |
| CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate | |
| PNEC | 1 mg/L (fresh water) 1 mg/L (sewage treatment plant) 10 mg/L (intermittent release) 0.1 mg/L (salt water) |
| PNEC | 1 mg/kg (soil) |
| Ingredients with biological limit values: | |
| CAS: 1330-20-7 xylene | |
| BMGV | 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid |
| CAS: 9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester | |
| BMGV | 1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine |
| CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate | |
| BMGV | 1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine |
| CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate | |
| BMGV | 1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine |

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Immediately remove all soiled and contaminated clothing
- Do not breathe vapour.
- Avoid contact with the eyes and skin.
- Clean skin thoroughly immediately after handling the product.
- Do not eat, drink, smoke or sniff while working.
- Wash contaminated clothing before reuse.

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- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A/P2

Do not breathe vapour.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Use only in well-ventilated areas.

For further guidance,

please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide".

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

Butyl rubber, BR

Neoprene gloves

Fluorocarbon rubber (Viton)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Recommended thickness of the material: ≥ 0.02 mm

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:**



Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Liquid

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| | |
|---|---|
| · Colour: | Yellowish |
| · Odour: | Aromatic |
| · pH-value: | |
| · Melting point/freezing point: | Undetermined. |
| · Initial boiling point and boiling range: | 137 °C |
| · Flash point: | 25 °C |
| · Explosive properties: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| · Explosion limits: | |
| · Lower: | 1.1 Vol % |
| · Upper: | 10.8 Vol % |
| · Vapour pressure at 20 °C: | 0.4 kPa |
| · Density at 20 °C: | 1 g/cm ³ |
| · Solubility in / Miscibility with water: | Immiscible / difficult to mix. |
| · Solvent content: | |
| · VOC (EU) | 570.0 g/l |
| · VOC (EC) | 57.00 % |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Exothermic polymerisation.
Forms explosive gas mixture with air.
Reacts with alcohols, amines, aqueous acids and alkalis.
- **10.4 Conditions to avoid**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Water / moisture.
Danger of bursting.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)
Cyanides

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful in contact with skin or if inhaled.

LD/LC50 values relevant for classification:

CAS: 1330-20-7 xylene

| | | |
|------------|----------|----------------------|
| Oral | LD50 | >2,000 mg/kg (rat) |
| Dermal | LD50 | 3,200 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 20 mg/L (rat) |

CAS: 9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester

| | | |
|------------|----------|---------------------|
| Oral | LD50 | >15,000 mg/kg (rat) |
| Inhalative | LC50/4 h | 0.49 mg/L (rat) |

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

| | | |
|------------|----------|-----------------------|
| Oral | LD50 | 8,532 mg/kg (rat) |
| Dermal | LD50 | >5,000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 4,345 mg/L (rat) |

CAS: 100-41-4 ethylbenzene

| | | |
|--------|------|-----------------------|
| Oral | LD50 | 3,500 mg/kg (rat) |
| Dermal | LD50 | 17,800 mg/kg (rabbit) |

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate

| | | |
|------------|----------|---------------------|
| Oral | LD50 | >15,000 mg/kg (rat) |
| Inhalative | LC50/4 h | 0.49 mg/L (rat) |

CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

| | | |
|------------|------|----------------------------------|
| Oral | LD50 | >9,400 mg/kg (rabbit) (OECD 402) |
| | | >2,000 mg/kg (rat) |
| Inhalative | ATE | 1.5 mg/l (rabbit) |

CAS: 108-88-3 toluene

| | | |
|------------|----------|-----------------------|
| Oral | LD50 | 5,000 mg/kg (rat) |
| Dermal | LD50 | 12,124 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 5,320 mg/L (mouse) |

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

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- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity**
Suspected of causing cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure**
May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

· 12.1 Toxicity

· **Aquatic toxicity:**

CAS: 1330-20-7 xylene

| | |
|-----------|---------------------------------|
| LC50/96 h | 21 mg/L (pimephales promelas) |
| | 13.5 mg/L (lepomis macrochirus) |
| EC50/24 h | 165 mg/L (daphnia magna) |

CAS: 9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester

| | |
|-----------|---------------------------------------|
| LC50/96 h | >1,000 mg/L (brachydanio rerio) |
| LC50/24 h | >500 mg/L (brachydanio rerio) |
| EC50 | >100 mg/L (daphnia magna) |
| EC50/24 h | >1,000 mg/L (daphnia magna) |
| EC50/72 h | >1,640 mg/L (desmodesmus subspicatus) |

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

| | |
|-----------|------------------------------|
| LC50/96 h | 100-180 mg/L (fish) |
| EC50/48 h | 408-500 mg/L (daphnia magna) |

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate

| | |
|-----------|---------------------------------------|
| LC50/96 h | >1,000 mg/L (brachydanio rerio) |
| LC50/24 h | >500 mg/L (brachydanio rerio) |
| EC50 | >100 mg/L (daphnia magna) |
| EC50/24 h | >1,000 mg/L (daphnia magna) |
| EC50/72 h | >1,640 mg/L (desmodesmus subspicatus) |

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

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- **Ecotoxicological effects:**

| | |
|--|-------------------------------------|
| CAS: 1330-20-7 xylene | |
| IC50/72 h | 3-5 mg/L (selenstrum capricornutum) |
| CAS: 9016-87-9 Isocyanic acid, polymethylenepolyphenylene ester | |
| NOEC/21 d | >10 mg/L (daphnia magna) |
| CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate | |
| NOEC/21 d | >10 mg/L (daphnia magna) |

- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.
 Danger to drinking water if even extremely small quantities leak into the ground.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.
 Cured product can be deposited together with domestic waste. Observe the specific related regulations of local authorities.

- **European waste catalogue**

| | |
|-----------|---|
| 08 05 01* | waste isocyanates |
| HP3 | Flammable |
| HP4 | Irritant - skin irritation and eye damage |
| HP5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity |
| HP6 | Acute Toxicity |
| HP7 | Carcinogenic |
| HP13 | Sensitising |

- **Uncleaned packaging:**

- **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Non contaminated packagings may be recycled.

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SECTION 14: Transport information

| | |
|---|-----------------------------|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | UN1263 |
| · 14.2 UN proper shipping name | |
| · ADR | 1263 PAINT |
| | 1263 PAINT |
| · IMDG, IATA | PAINT |
| · 14.3 Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
|  | |
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | III |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Warning: Flammable liquids. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR | |
| · Tunnel restriction code | D/E |
| · UN "Model Regulation": | UN 1263 PAINT, 3, III |

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- "EU-CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1)
- "EU-REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments)
- COMMISSION REGULATION (EU) 2020/878 of 18 June 2020.
- HSE EH40/2005 Workplace Exposure Limits (as amended)
- Guidance on the classification and assessment of waste | Technical Guidance WM3 (1st edition 2015)
- "GB-CLP" The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019
- "UK-REACH" The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020

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- **Directive 2012/18/EU**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t
- **National regulations:**
- **Information about limitation of use:**
As from 24 August 2023 adequate training is required before industrial or professional use.
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
- **Other regulations, limitations and prohibitive regulations** No further relevant information available.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
 - H225 Highly flammable liquid and vapour.
 - H226 Flammable liquid and vapour.
 - 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.
 - H319 Causes serious eye irritation.
 - H332 Harmful if inhaled.
 - H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 - H335 May cause respiratory irritation.
 - H336 May cause drowsiness or dizziness.
 - H351 Suspected of causing cancer.
 - H361d Suspected of damaging the unborn child.
 - H373 May cause damage to organs through prolonged or repeated exposure.
 - H412 Harmful to aquatic life with long lasting effects.
- **Department issuing SDS:**
Prepared and verified in accordance with "REACH" Regulation (EC) No 1907/2006, Annex II, Part A, 0.2.3.
- **Abbreviations and acronyms:**
 - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - VOC: Volatile Organic Compounds (USA, EU)
 - PNEC: Predicted No-Effect Concentration (REACH)

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LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**

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