

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

CF MS Clearcoat

Product no.

7-153-1500

REACH registration number

Not applicable

Unique formula identifier (UFI)

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

Relevant identified uses of the substance or mixture

Bodywork protector treatment. Only for professional use.

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

August Handel GmbH
Heinrich-Hertz-Str. 3b
DE-14532 Kleinmachnow b. Berlin
Germany
Phone: +49 33203 50 300

Contact person

Matthias Scherzer

E-mail

info@augusthandel.com

SDS date

2020-02-12

SDS Version

2.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

SECTION 2: Hazards identification

▼ 2.1. Classification of the substance or mixture

Flam. Liq. 3; H226
Acute Tox. 4; H302 + H312 + H332
Asp. Tox. 1; H304
Skin Irrit. 2; H315
Skin Sens. 1; H317
Eye Irrit. 2; H319
STOT SE 3; H335
STOT SE 3; H336
STOT RE 2; H373
Aquatic Acute 1; H400
Aquatic Chronic 1; H410

See full text of H-phrases in section 2.2.

2.2. Label elements

▼ Hazard pictogram(s)

**Signal word**

Danger

Hazard statement(s)

Flammable liquid and vapour. (H226)
 Harmful if swallowed, in contact with skin or if inhaled. (H302 + H312 + H332)
 May be fatal if swallowed and enters airways. (H304)
 Causes skin irritation. (H315)
 May cause an allergic skin reaction. (H317)
 Causes serious eye irritation. (H319)
 May cause respiratory irritation. (H335)
 May cause drowsiness or dizziness. (H336)
 May cause damage to organs through prolonged or repeated exposure. (H373)
 Very toxic to aquatic life with long lasting effects. (H410)

Precautionary statements

General If medical advice is needed, have product container or label at hand. (P101).
 Keep out of reach of children. (P102).
Prevention Wear protective gloves/protective clothing. (P280).
Response IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310).
Storage Store locked up. (P405).
Disposal Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

Reaction mass of pentamethyl-piperidyl sebacate, HEXAMETHYLENE,DIISOCYANATE,HOMOPOLYMER, 2-butoxyethyl acetate butylglycol acetate, ethylbenzene, p-xylene m-xylene o-xylene xylene, Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi, n-butyl acetate

2.3. Other hazards

This product contains substances that can cause chemical pneumonia if inhaled. The symptoms of chemical pneumonia may appear after several hours.
 This product contains an organic solvent. Repeated or prolonged exposure to organic solvents may result in adverse effects to the nervous system and internal organs such as liver and kidneys.

Additional labelling

Contains isocyanates. May produce an allergic reaction. (EUH204)
 Repeated exposure may cause skin dryness or cracking. (EUH066)

Additional warnings

Tactile warning. If this product is sold in retail, it must be delivered with child-resistant fastening.

VOC (volatile organic compound)

VOC-Max: 516 g/l, MAXIMUM VOC CONTENT (B/e): 840 g/l.

SECTION 3: Composition/information on ingredients**3.1/3.2. Substances/Mixtures**

NAME:	n-butyl acetate
IDENTIFICATION NOS.:	CAS-no: 123-86-4 EC-no: 204-658-1 REACH-no: 01-2119485493-29 Index-no: 607-025-00-1
CONTENT:	25-50%
CLP CLASSIFICATION:	Flam. Liq. 3, STOT SE 3 H226, H336 S
NOTE:	
NAME:	Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi
IDENTIFICATION NOS.:	CAS-no: 64742-95-6 EC-no: 265-199-0 REACH-no: 01-2119455851-35 Index-no: 649-356-00-4
CONTENT:	5-10%
CLP CLASSIFICATION:	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2 H226, H304, H335, H336, H411, EUH066
NAME:	p-xylene m-xylene o-xylene xylene

IDENTIFICATION NOS.:	CAS-no: 1330-20-7 EC-no: 215-535-7 REACH-no: 01-2119488216-32 Index-no: 601-022-00-9
CONTENT:	2,5-5%
CLP CLASSIFICATION:	Flam. Liq. 3, Acute Tox. 4, STOT RE 2, STOT SE 3, Skin Irrit. 2, Eye Irrit. 2, Asp. Tox. 1 H226, H304, H312, H315, H319, H332, H335, H373
NOTE:	S L
NAME:	2-methoxy-1-methylethyl acetate
IDENTIFICATION NOS.:	CAS-no: 108-65-6 EC-no: 203-603-9 REACH-no: 01-2119475791-29 Index-no: 607-195-00-7
CONTENT:	10-25%
CLP CLASSIFICATION:	Flam. Liq. 3 H226
NOTE:	S L
NAME:	ethylbenzene
IDENTIFICATION NOS.:	CAS-no: 100-41-4 EC-no: 202-849-4 REACH-no: 01-2119489370-35 Index-no: 601-023-00-4
CONTENT:	2,5%
CLP CLASSIFICATION:	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Skin Irrit. 2, Eye Irrit. 2, Asp. Tox. 1, Aquatic Chronic 3 H225, H304, H315, H319, H332, H373, H412
NOTE:	S L
NAME:	2-butoxyethyl acetate butylglycol acetate
IDENTIFICATION NOS.:	CAS-no: 112-07-2 EC-no: 203-933-3 REACH-no: 01-2119475112-47 Index-no: 607-038-00-2
CONTENT:	5-10%
CLP CLASSIFICATION:	Acute Tox. 4 H302, H312, H332
NOTE:	S L
NAME:	HEXAMETHYLENE,DIISOCYANATE,HOMOPOLYMER
IDENTIFICATION NOS.:	CAS-no: 28182-81-2 EC-no: 500-060-2 REACH-no: 01-2119485796-17
CONTENT:	25-50%
CLP CLASSIFICATION:	Acute Tox. 4, STOT SE 3, Skin Sens. 1 H317, H332, H335
NAME:	2,3-epoxypropyl neodecanoate
IDENTIFICATION NOS.:	CAS-no: 26761-45-5 EC-no: 247-979-2 REACH-no: 01-2119431597-33
CONTENT:	0,25-1%
CLP CLASSIFICATION:	Muta. 2, Aquatic Chronic 2, Skin Sens. 1 H341, H411, H317
NAME:	Reaction mass of pentamethyl-piperidyl sebacate
IDENTIFICATION NOS.:	CAS-no: 1065336-91-5 EC-no: 915-687-0 REACH-no: 01-2119491304-40
CONTENT:	0,25-1%
CLP CLASSIFICATION:	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H317, H400, H410

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.
S = Organic solvent L = European occupational exposure limit.

Other information

ATEmix(inhale, vapour) = 2.2 - 3.3
ATEmix(Dermal) = 440 - 660
ATEmix(oral) = 400 - 600
Eye Cat. 2 Sum = $\sum(Ci/S(G)CLi) = 16 - 24$
Skin Cat. 2 Sum = $\sum(Ci/S(G)CLi) = 16 - 24$
N chronic (CAT 1) Sum = $\sum(Ci/(M(\text{chronic}) * 25)) = 3.2 - 4.8$
N acute (CAT 1) Sum = $\sum(Ci/M(\text{acute}) * 25) = 3.2 - 4.8$

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

▼ Ingestion

Do not induce vomiting! If vomiting occurs, keep head facing down to prevent vomit entering the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should be kept under medical attention for a minimum of 48 hours.

Burns

Rinse with water until the pain stops then continue to rinse for a further 30 minutes.

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

This product contains substances that can cause chemical pneumonia if inhaled. The symptoms of chemical pneumonia may appear after several hours.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

▼ 6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapours from spilled material. Avoid direct contact with spilled substances. Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage**▼7.1. Precautions for safe handling**

Avoid static electricity. Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Storage temperature

Room temperature 18 to 23°C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****▼OEL**

2-butoxyethyl acetate butylglycol acetate

Long-term exposure limit (8-hour TWA reference period): 20 ppm | 133 mg/m³

Short-term exposure limit (15-minute reference period): 50 ppm | - mg/m³

Comments: Sk (Sk = Can be absorbed through skin.)

ethylbenzene

Long-term exposure limit (8-hour TWA reference period): 100 ppm | 441 mg/m³

Short-term exposure limit (15-minute reference period): 125 ppm | 552 mg/m³

Comments: Sk (Sk = Can be absorbed through skin.)

2-methoxy-1-methylethyl acetate

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 274 mg/m³

Short-term exposure limit (15-minute reference period): 100 ppm | 548 mg/m³

Comments: Sk (Sk = Can be absorbed through skin.)

p-xylene m-xylene o-xylene xylene

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 220 mg/m³

Short-term exposure limit (15-minute reference period): 100 ppm | 441 mg/m³

Comments: Sk BMGV (Bmgv = Biological Monitoring Guidance Value. Sk = Can be absorbed through skin.)

n-butyl acetate

Long-term exposure limit (8-hour TWA reference period): 150 ppm | 724 mg/m³

Short-term exposure limit (15-minute reference period): 200 ppm | 966 mg/m³

▼DNEL / PNEC

DNEL (n-butyl acetate): 966mg/m³

Exposure: -

Duration of Exposure: Short term

Remarks: 200ppm

DNEL (n-butyl acetate): 724mg/m³

Exposure: -

Duration of Exposure: Long term

Remarks: 150ppm

8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

Recommended: Combination filter A2P2. Class 2. Brown/White

Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

Hand protection

Butyl rubber

Material thickness: >0,7 mm.

Breakthrough time: > 60 minutes (Class 3)

Eye protection

Wear face shield alternatively safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Colourless
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm ³)	0.996

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	124-128
Vapour pressure (20°C)	10.7 hPa
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

9.2. Data on fire and explosion hazards

Flash point (°C)	24
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	1.2 - 7.5
Explosive properties	No data available.

Solubility

Solubility in water	Insoluble
n-octanol/water coefficient	No data available.

9.2. Other information

Solubility in fat (g/L)

No data available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

Nothing special

▼ 10.4. Conditions to avoid

Avoid static electricity. Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Substance: Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: >6193 mg/m³

Substance: Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: >3160 mg/kg

Substance: Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 3592 mg/kg

Substance: n-butyl acetate

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 10768 mg/kg

Substance: n-butyl acetate

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: >17600 mg/kg

Substance: n-butyl acetate

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: >21,0 mg/m³**▼ Skin corrosion/irritation**

Causes skin irritation.

Data on substance: n-butyl acetate

Data on substance: p-xylene m-xylene o-xylene xylene

Result: Irritating to the skin

Data on substance: 2-methoxy-1-methylethyl acetate

Data on substance: 2-butoxyethyl acetate butylglycol acetate

▼ **Serious eye damage/irritation**

Causes serious eye irritation.

Data on substance: 2-butoxyethyl acetate butylglycol acetate

Data on substance: 2-methoxy-1-methylethyl acetate

Data on substance: p-xylene m-xylene o-xylene xylene

Result: Irritating to the eyes

Data on substance: n-butyl acetate

Result: Irritating to the eyes

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

▼ **STOT-single exposure**

May cause respiratory irritation. May cause drowsiness or dizziness.

Data on substance: Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi

▼ **STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

▼ **Aspiration hazard**

May be fatal if swallowed and enters airways.

▼ **Long term effects**

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

▼ **12.1. Toxicity**

Substance: Reaction mass of pentamethyl-piperidyl sebacate

Species: Fish

Test: LC50

Duration: 96h

Result: 0,9 mg/L

Substance: Reaction mass of pentamethyl-piperidyl sebacate

Species: Fish

Test: LC100

Duration: 96h

Result: 2,2 mg/L

Substance: Reaction mass of pentamethyl-piperidyl sebacate

Species: Fish

Test: NOEC

Duration: 96h

Result: 0,22 mg/L

Substance: Reaction mass of pentamethyl-piperidyl sebacate

Species: Aquatic invertebrates

Test: NOEC

Duration: 21d

Result: 1-6,3 mg/L

Substance: Reaction mass of pentamethyl-piperidyl sebacate
 Species: Aquatic invertebrates
 Test: LOEC
 Duration: 21d
 Result: 1,6-6,3 mg/L

Substance: Reaction mass of pentamethyl-piperidyl sebacate
 Species: Aquatic invertebrates
 Test: EC50
 Duration: 21d
 Result: 2,2 mg/L

Substance: Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi
 Species: Daphnia
 Test: EC50
 Duration: 24 h
 Result: 150 mg/l

Substance: Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi
 Species: Fish
 Test: LC50
 Duration: 96 h
 Result: 3,77 mg/l

Substance: Solvent naphtha (petroleum), light arom. Low boiling point naphtha - unspecified [A complex combi
 Species: Daphnia
 Test: EC50
 Duration: 48 h
 Result: 7,4 mg/l

Substance: n-butyl acetate
 Species: Daphnia
 Test: EC50
 Duration: 48 h
 Result: 44 mg/L

Substance: n-butyl acetate
 Species: Algae
 Test: EC50
 Duration: 96 h
 Result: 320 mg/L

Substance: n-butyl acetate
 Species: Daphnia
 Test: LC50
 Duration: 24 h
 Result: 205 mg/L

▼ **12.2. Persistence and degradability**

Substance	Biodegradability	Test	Result
No data available.			

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
No data available.			

12.4. Mobility in soil

ethylbenzene: Log Koc= 2.41 (Moderate mobility potential.).

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

▼ **Waste**

EWC code	
08 01 11*	waste paint and varnish containing organic solvents or other dangerous

substances

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information**14.1 – 14.4**

Not dangerous goods according to ADR, IATA and IMDG.

▼ ADR/RID

14.1. UN number	UN1263
14.2. UN proper shipping name	AINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
14.3. Transport hazard class(es)	3
14.4. Packing group	III
Notes	-
Tunnel restriction code	D/E

▼ IMDG

UN-no.	1263
Proper Shipping Name	PAINT and PAINT RELATED MATERIAL
Class	3
PG*	III
EmS	F-E,S-E
MP**	no
Hazardous constituent	Flammable liquids

IATA/ICAO

UN-no.	1263
Proper Shipping Name	PAINT and PAINT RELATED MATERIAL
Class	3
PG*	III

14.5. Environmental hazards

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14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Restrictions for application**

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

▼ Demands for specific education

Use of this product requires dedicated training in work with polyurethane and epoxy products.

Additional information

Not applicable

Seveso

Seveso III Part 1: P5c, E1

Sources

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.
 Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.
 The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.
 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 (CLP).
 Regulation (EC) 1907/2006 (REACH).
 The Control of Major Accident Hazards (COMAH) Regulations 2015.

15.2. Chemical safety assessment

No

SECTION 16: Other information

▼ Full text of H-phrases as mentioned in section 3

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.
 H335 - May cause respiratory irritation.
 H336 - May cause drowsiness or dizziness.
 H341 - Suspected of causing genetic defects.
 H373 - May cause damage to organs through prolonged or repeated exposure^a.
 H400 - Very toxic to aquatic life.
 H410 - Very toxic to aquatic life with long lasting effects.
 H411 - Toxic to aquatic life with long lasting effects.
 H412 - Harmful to aquatic life with long lasting effects.
 EUH066 - Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1

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Additional label elements

Not applicable

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:
 The classification of the mixture in regard of physical hazards has been based on experimental data.
 The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)
 The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)
 It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
 The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
 A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

SG

Date of last essential change

(First cipher in SDS version)

2019-03-15(1.0)

Date of last minor change

(Last cipher in SDS version)

2019-03-15

