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

1.1. Product identifier

Mixture identification:

Trade name: MAPEFLOOR FINISH 58 W /A

Trade code: 9024548

UFI: 7VK5-V07D-V00W-5D1V

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

Recommended use: Epoxy paint

Uses advised against: Data not available.

1.3. Details of the supplier of the safety data sheet

Company: MAPEI AS - Vallsetvegen, 6 - 2120 Sagstua - Norway

phone: +47-62972000 - fax: +47-62972099 - www.mapei.no (office hours)

Responsable: sicurezza@mapei.it

1.4. Emergency telephone number

Giftinformasjonen – phone number: +47 22591300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Special Provisions:

EUH208	Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.
EUH208	Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H - isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
EUH208	Contains 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Relevant

3.2. Mixtures

Mixture identification: MAPEFLOOR FINISH 58 W /A

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
≥3 - <5 %	dipropyleneglycol methyl ether	CAS:34590-94-8 EC:252-104-2	Substance with a Union workplace exposure limit.	01-2119450011-60-xxxx
≥0.02 - <0.025 %	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS:2634-33-5 EC:220-120-9 Index:613-088-00-6	Acute Tox. 2, H330; Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1,	01-2120761540-60-XXXX

			H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302, M-Chronic:1, M-Acute:1 Specific Concentration Limits: C ≥ 0,036%: Skin Sens. 1A H317 Acute Toxicity Estimate: ATE - Oral: 450mg/kg bw ATE - Inhalation (Dust/mist): 0.21mg/l	
≥0.001 - <0.0015 %	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS:55965-84-9 EC:611-341-5 Index:613-167-00-5	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 3, H301; Skin Corr. 1C, H314; Skin Sens. 1A, H317; Acute Tox. 2, H310; Acute Tox. 2, H330; Eye Dam. 1, H318, M-Chronic:100, M-Acute:100, EUH071 Specific Concentration Limits: C ≥ 0,6%: Skin Corr. 1C H314 0,06% ≤ C < 0,6%: Skin Irrit. 2 H315 C ≥ 0,6%: Eye Dam. 1 H318 0,06% ≤ C < 0,6%: Eye Irrit. 2 H319 C ≥ 0,0015%: Skin Sens. 1A H317	N.A.
≥0.0001 - <0.001 %	2-methyl-2H-isothiazol-3-one	CAS:2682-20-4 EC:220-239-6 Index:613-326-00-9	Acute Tox. 3, H311; Acute Tox. 3, H301; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 2, H330; Skin Corr. 1B, H314; Skin Sens. 1A, H317, M-Chronic:1, M-Acute:10, EUH071 Specific Concentration Limits: C ≥ 0,0015%: Skin Sens. 1A H317	01-2120764690-50-XXXX

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Not available

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

Treatment:

N.A.

Not available

(see paragraph 4.1)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO_2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

Retain contaminated washing water and dispose it.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Occupational Exposure Limit
dipropyleneglycol methyl ether CAS: 34590-94-8	SUVA		Long Term: 300 mg/m3 - 50 ppm; Short Term: 300 mg/m3 - 50 ppm
	NDS		Long Term: 240 mg/m3
	National		Long Term: 303 mg/m3 - 50 ppm; Short Term: 600 mg/m3 - 100 ppm
	National		Long Term: 300 mg/m3 - 50 ppm; Short Term: 450 mg/m3 - 75 ppm Short-term value, 15 minutes average value
	National		Long Term: 310 mg/m3 - 50 ppm hud
	National		Long Term: 300 mg/m3 - 50 ppm H

	NDSCh		Long Term: 480 mg/m3
	ACGIH		Long Term: 100 ppm; Short Term: 150 ppm Skin - Eye and URT irr, CNS impair
	DFG	GERMANY	Short Term: Ceiling - 310 mg/m3 - 50 ppm
	ACGIH		Long Term: 100 ppm; Short Term: 150 ppm Skin - potential significant contribution to overall exposure by the cutaneous route;CNS impairment;eye and upper respiratory tract irritation
	National	SWEDEN	Long Term: 300 mg/m3 - 50 ppm
	National	FRANCE	Long Term: 308 mg/m3 - 50 ppm
	National	SPAIN	Long Term: 308 mg/m3 - 50 ppm
	National	GREECE	Long Term: 600 mg/m3 - 100 ppm; Short Term: 900 mg/m3 - 150 ppm
	National	DENMARK	Long Term: 309 mg/m3 - 50 ppm
	National	FINLAND	Long Term: 310 mg/m3 - 50 ppm
	National	GERMANY	Long Term: 310 mg/m3 - 50 ppm
	National	PORTUGAL	Long Term: 308 mg/m3 - 50 ppm; Short Term: 150 ppm
	National	NORWAY	Long Term: 300 mg/m3 - 50 ppm; Short Term: 375 mg/m3 - 75 ppm
	National	BELGIUM	Long Term: 308 mg/m3 - 50 ppm
	NDS	POLAND	Long Term: 240 mg/m3
	NDSCh	POLAND	Short Term: 480 mg/m3
	CHE	SWITZERLAND	Short Term: 300 mg/m3 - 50 ppm
	NDS	NETHERLANDS	Long Term: 300 mg/m3
	National	CZECH REPUBLIC	Long Term: 270 mg/m3
	National	HUNGARY	Long Term: 308 mg/m3
	Malaysia OEL	MALAYSIA	Long Term: 606 mg/m3 - 100 ppm Skin notation
	National	ESTONIA	Long Term: 308 mg/m3 - 50 ppm
	National	LATVIA	Long Term: 308 mg/m3 - 50 ppm
	National	CZECH REPUBLIC	Short Term: Ceiling - 550 mg/m3
	National	SLOVAKIA	Long Term: 308 mg/m3 - 50 ppm
	National	SLOVENIA	Long Term: 308 mg/m3 - 50 ppm
	National	UNITED KINGDOM	Long Term: 308 mg/m3 - 50 ppm; Short Term: 924 mg/m3 - 150 ppm
	National	BULGARIA	Long Term: 308 mg/m3 - 50 ppm
	National	ROMANIA	Long Term: 308 mg/m3 - 50 ppm
	TUR	TURKEY	Long Term: 308 mg/m3 - 50 ppm
	National	LITHUANIA	Long Term: 308 mg/m3 - 50 ppm; Short Term: 450 mg/m3 - 75 ppm
	National	CROATIA	Long Term: 308 mg/m3 - 50 ppm
	National	SLOVENIA	Long Term: 308 mg/m3 - 50 ppm; Short Term: 308 mg/m3 - 50 ppm
	National	LITHUANIA	Long Term: 300 mg/m3 - 50 ppm; Short Term: 450 mg/m3 - 75 ppm
	ACGIH		Long Term: 50 ppm CNS and liver effects (listed under Dipropylene glycol methyl ether)
	National	DENMARK	Long Term: 309 mg/m3 - 50 ppm; Short Term: 618 mg/m3 - 100 ppm
	EU		Long Term: 308 mg/m3 - 50 ppm Skin
2-methyl-2H-isothiazol-3-one CAS: 2682-20-4	DFG	GERMANY	Short Term: Ceiling - 0,4 mg/m3
	CHE	SWITZERLAND	Short Term: 0,4 mg/m3

Predicted No Effect Concentration (PNEC) values

dipropyleneglycol methyl Exposure Route: Fresh Water; PNEC Limit: 19 mg/l

ether
CAS: 34590-94-8

Exposure Route: Marine water; PNEC Limit: 1,9 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 70,2 mg/kg

Exposure Route: Marine water sediments; PNEC Limit: 7,02 mg/kg

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 4168 mg/l

Exposure Route: Intermittent release; PNEC Limit: 190 mg/l

Exposure Route: Soil; PNEC Limit: 2,74 mg/kg

Derived No Effect Level (DNEL) values

dipropyleneglycol methyl ether
CAS: 34590-94-8

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 65 mg/kg; Consumer: 15 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 310 mg/m3; Consumer: 37,2 mg/m3

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 1,67 mg/kg

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Suitable materials for safety gloves; EN ISO 374:

Polychloroprene - CR: thickness >=0,5mm; breakthrough time >=480min.

Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min.

Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min.

Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.

Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN ISO 374 for gloves and EN ISO 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Not needed for normal use. Anyway, operate according good working practices.

Hygienic and Technical measures

Not available

Appropriate engineering controls:

Not available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Appearance: liquid

Colour: milk-like

Odour: Characteristic

Odour threshold: Not available

Melting point/freezing point: 0 °C (32 °F)

Boiling point or initial boiling point and boiling range: 100 °C (212 °F)

Flammability: N.A.

Lower and upper explosion limit: Lower and upper explosion limit: Not available

Flash point: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

pH: 8.00

Viscosity: 120.00 mPA-s

Kinematic viscosity: > 20,5 mm2/sec (40 °C) mm2/s

Solubility in water: Miscible

Solubility in oil: insoluble

Partition coefficient n-octanol/water (log value): Not available

Vapour pressure: 2.34

Density and/or relative density: 1.05 g/cm3

Relative vapour density: 0.01

Particle characteristics:

Particle size: Not available

9.2. Other information

Miscibility: Not available

Conductivity: Not available

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified
	Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

dipropyleneglycol methyl ether	a) acute toxicity	LD50 Oral Rat > 5000, mg/kg
		LD50 Skin Rabbit = 9500 mg/kg
		LD50 Skin Rabbit = 9500 mg/kg
		LD50 Oral Rat = 5,35 g/kg
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	a) acute toxicity	ATE - Oral : 450 mg/kg bw
		ATE - Inhalation (Dust/mist) : 0.21 mg/l
		LD50 Oral Rat = 670, mg/kg

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	a) acute toxicity	LC50 Inhalation Rat = 2,36 mg/l 4h
		LD50 Skin Rabbit = 660, mg/kg
		LD50 Oral Rat = 53, mg/kg
2-methyl-2H-isothiazol-3-one	a) acute toxicity	LD50 Oral Rat = 120, mg/kg
		LD50 Skin Rat = 242 mg/kg
		LD50 Skin Rabbit = 200 mg/kg
		LC50 Inhalation Rat = 0,11 mg/l 4h

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
dipropyleneglycol methyl ether	CAS: 34590-94-8 - EINECS: 252-104-2	a) Aquatic acute toxicity : LC50 Fish Pimephales promelas > 10000 mg/L 96h
		a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna = 1919 mg/L 48h IUCLID
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS: 2634-33-5 - EINECS: 220-120-9 - INDEX: 613-088-00-6	a) Aquatic acute toxicity : LC50 Fish = 2,15 mg/L
		b) Aquatic chronic toxicity : NOEC Algae = 0,0403 mg/L 72h
		b) Aquatic chronic toxicity : EC50 Algae = 0,11 mg/L 72h
		b) Aquatic chronic toxicity : EC10 Algae = 0,04 mg/L 72h
		b) Aquatic chronic toxicity : EC50 Daphnia = 3,27 mg/L 48h
		NOEC Daphnia = 1,2 mg/L 21d
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 - EINECS: 611-341-5 - INDEX: 613-167-00-5	a) Aquatic acute toxicity : EC50 Daphnia = 0,12 mg/L 48
		a) Aquatic acute toxicity : LC50 Fish = 0,22 mg/L 96
		a) Aquatic acute toxicity : EC50 Algae = 0,0052 mg/L 48h
		b) Aquatic chronic toxicity : NOEC Algae = 0,00049 mg/L
		b) Aquatic chronic toxicity : NOEC Fish = 0,098 mg/L - 28 d
		b) Aquatic chronic toxicity : NOEC Daphnia = 0,004 mg/L - 21 d
2-methyl-2H-isothiazol-3-one	CAS: 2682-20-4 - EINECS: 220-239-6 - INDEX: 613-326-00-9	a) Aquatic acute toxicity : LC50 Fish = 4,77 mg/L 96h
		a) Aquatic acute toxicity : LC50 Daphnia = 0,93 mg/L 48h

a) Aquatic acute toxicity : EC50 Algae = 0,072 mg/L 72h

b) Aquatic chronic toxicity : NOEC Daphnia = 0,044 mg/L 21d

12.2. Persistence and degradability

Component	Persitence/Degradability:
dipropyleneglycol methyl ether	Readily biodegradable
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Readily biodegradable
2-methyl-2H-isothiazol-3-one	Non-readily biodegradable

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

Not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

A waste code (EWC) according to European List of Waste (LoW) cannot be specified, due to dependence on the usage. Contact and send to an authorized waste disposal service.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Clean waste packaging should be recycled when possible and authorized by the authority.

Hazardous waste: No

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

Not Applicable

14.2. UN proper shipping name

Not Applicable

14.3. Transport hazard class(es)

Not Applicable

14.4. Packing group

Not Applicable

14.5. Environmental hazards

Not Applicable

14.6. Special precautions for user

Not Applicable

Road and Rail (ADR-RID):

ADR-Hazard identification number: NA

Not Applicable

Air (IATA):

Not Applicable

Sea (IMDG):

Not Applicable

14.7. Maritime transport in bulk according to IMO instruments

Not Applicable

SECTION 15: Regulatory information

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

VOC (2004/42/EC) : KIT 85.00 g/l - Category : Two-pack reactive performance coatings for specific end use such as floors - Water based

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) n. 2020/878

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

Regulation (EU) n. 2023/707

Regulation (EU) n. 2023/1434 (ATP 19 CLP)

Regulation (EU) n. 2023/1435 (ATP 20 CLP)

Regulation (EU) n. 2024/197 (ATP 21 CLP)

Regulation (EU) n. 2024/2564 (ATP 22 CLP)

Regulation (EU) n. 2024/2865

Regulation (EU) n. 2025/1222 (ATP 23 CLP)

Provisions related to directive EU 2012/18 (Seveso III):

None

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None.

Restrictions related to the substances contained: 28, 40, 70, 72, 75, 77

SVHC Substances:

SVHC substances not present in a concentration ≥ 0.1% (w/w)

National regulations

Produktregisteret Norge: 664450

MAL-kode: COMP.A:1-5 (1993)-COMP. A+B=4-5 (1993)

Lagerklasse (TRGS-510): 12 - Non-combustible liquids, that cannot be assigned to any of the aforementioned LGK

German Water Hazard Class.

Class 1: slightly hazardous for water.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
3.1/2/Inhal	Acute Tox. 2	Acute toxicity (inhalation), Category 2
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.4.2/1A	Skin Sens. 1A	Skin Sensitisation, Category 1A
4.1/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C1	Aquatic Chronic 1	Chronic (long term) aquatic hazard, category 1

If appropriate, specific provisions in relation to possible training for workers are mentioned in section 2. Any training related to safety in the workplace must in any case refer to a risk assessment that must be carried out by a company safety officer taking into account the specific operating and environmental conditions in which the products are used.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KAFH: KAFH
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- SECTION 3: Composition/information on ingredients
- SECTION 8: Exposure controls/personal protection
- SECTION 11: Toxicological information
- SECTION 12: Ecological information