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

1.1. Product identifier

Mixture identification:

Trade name: ULTRACARE STAIN PROTECTOR S

Trade code: 9001517

UFI: 9XN2-V090-H00T-NUXJ

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

Recommended use: Protective

Uses advised against: Data not available

1.3. Details of the supplier of the safety data sheet

Company: MAPEI U.K. Ltd - Mapei House Steel Park Road
Halesowen - West Midlands B62 8HD

phone: +44(0)121 508 6970 - fax: +44(0)121 5086 960 - www.mapei.co.uk (office hour 8:30-17:30)

Responsible: sicurezza@mapei.it

1.4. Emergency telephone number

call NHS 111 or a doctor/OHES Environmental Ltd +44(0)333 333 9962

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 3	Flammable liquid and vapour.
STOT SE 3	May cause drowsiness or dizziness.
Asp. Tox. 1	May be fatal if swallowed and enters airways.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

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

Pictograms and Signal Words

Danger

Hazard statements:

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing mist/vapours/spray.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER.
P312	Call a POISON CENTER if you feel unwell.
P331	Do NOT induce vomiting.
P370+P378	In case of fire, use a dry powder fire extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.

Contains:

hydrocarbons, C9-C11, n-alkanes,
isoalkanes, cyclics, < 2% aromatics

1-methoxy-2-propanol

n-butyl acetate

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

Restricted to professional users.

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: ULTRACARE STAIN PROTECTOR S

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

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
≥75 - <100 %	hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS:64742-48-9 EC:265-150-3 Index:649-327-00-6	Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336	01-2119457273-39-XXXX
≥10 - <20 %	1-methoxy-2-propanol	CAS:107-98-2 EC:203-539-1 Index:603-064-00-3	Flam. Liq. 3, H226; STOT SE 3, H336	01-2119457435-35-XXXX
≥5 - <10 %	n-butyl acetate	CAS:123-86-4 EC:204-658-1 Index:607-025-00-1	Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	01-2119485493-29
≥0.05 - <0.1 %	methanol	CAS:67-56-1 EC:200-659-6 Index:603-001-00-X	Flam. Liq. 2, H225 STOT SE 1, H370 Acute Tox. 3, H301 Acute Tox. 3, H331 Acute Tox. 3, H311 Specific Concentration Limits: 3% ≤ C < 10%: STOT SE 2 H371 10% ≤ C < 100%: STOT SE 1 H370	01-2119433307-44-XXXX

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a dry powder fire extinguisher to extinguish.

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.

5.3. Advice for firefighters

Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

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.

6.3. Methods and material for containment and cleaning up

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

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.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

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

List of components with OEL value

	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour	Note
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics CAS: 64742-48-9	DFG	GERMANY	C			600	100		
	NDS	POLAND		300					
	NDSCh	POLAND				900			
	CHE	SWITZERLAND				600	100		
1-methoxy-2-propanol	SUVA			375	100	568	150		

	National	SWEDEN		190	50	300	75		SWEDEN, Short-term value, 15 minutes average value
	National	FINLAND		370	100	560	150		FINLAND, hud
	National	NORWAY		180	50				NORWAY, H
	NDS			180					
	NDSCh			360					
	National	NORWAY		185	50	370	100		
	EU			375	100	563	150		Skin
	ACGIH				50		100		A4 - Eye and URT irr
	DFG	GERMANY	C			740	200		
	ACGIH				50		100		A4 - Not Classifiable as a Human Carcinogen;eye and upper respiratory tract irritation
	National	SWEDEN		190	50				
	National	FRANCE		188	50	375	100		
	National	SPAIN		375	100	568	150		
	National	GREECE		360	100	1080	300		
	National	DENMARK		185	50				
	National	FINLAND		370	100	560	150		
	National	GERMANY		370	100				
	National	PORTUGAL		375	100	568	150		
	National	BELGIUM		375	100	568	150		
	NDS	POLAND		180					
	NDSCh	POLAND				360			
	CHE	SWITZERLAND				720	200		
	NDS	NETHERLANDS		375		563			
	National	CZECH REPUBLIC		270					
	National	HUNGARY		375		568			
	Malaysia OEL	MALAYSIA		369	100				
	National	ESTONIA		375	100	568	150		
	National	LATVIA		375	100	568	150		
	National	CZECH REPUBLIC	C			550			
	National	SLOVAKIA	C			568			
	National	SLOVAKIA		375	100				
	National	SLOVENIA		375	100	562,5	150		
	National	UNITED KINGDOM		375	100	560	150		
	National	BULGARIA		375,0	100	568,0	150		
	National	ROMANIA		375	100	568	150		
	TUR	TURKEY		375	100	568	150		
	National	LITHUANIA		190	50	300	75		
	National	CROATIA		375	100	568	150		
	EU			375	100	568	150	Indicative	Possibility of significant uptake through the skin
n-butyl acetate CAS: 123-86-4	SUVA			480	100	960	200		
	National	SWEDEN		500	100	700	150		SWEDEN, Short-term value, 15 minutes average value
	NDS			200					

	NDSCh			950				
	ACGIH				50		150	Eye and URT irr
	National	NORWAY		710	150	1420	300	
	DFG	GERMANY	C			960	200	
	ACGIH				50		150	eye and upper respiratory tract irritation (listed under Butyl acetates, all isomers)
	National	SWEDEN		500	100			
	National	FRANCE		710	150	940	200	
	National	SPAIN		724	150	965	200	
	National	GREECE		710	150	950	200	
	National	DENMARK		710	150			
	National	FINLAND		720	150	960	200	
	National	GERMANY		300	62			
	National	PORTUGAL			150		200	
	National	BELGIUM		723	150	964	200	
	NDS	POLAND		240				
	NDSCh	POLAND				720		
	CHE	SWITZERLAND				960	200	
	National	CZECH REPUBLIC		950				
	National	HUNGARY		950		950		
	Malaysia OEL	MALAYSIA		713	150			
	National	LATVIA		200				
	National	CZECH REPUBLIC	C			1200		
	National	SLOVAKIA	C			700		
	National	SLOVAKIA		500	100			
	National	SLOVENIA		480	100	480	100	
	National	UNITED KINGDOM		724	150	966	200	
	National	BULGARIA		710		950		
	National	ROMANIA		715	150	950	200	
	National	CROATIA		724	150	966	200	
methanol CAS: 67-56-1	SUVA			260	200	1040	800	
	National	SWEDEN		250	200	350	250	SWEDEN, Short-term value, 15 minutes average value
	National	FINLAND		270	200	330	250	FINLAND, hud
	National	NORWAY		130	100			NORWAY, H
	NDS			100				
	NDSCh			300				
	National	NORWAY		260	200	520	400	
	EU			260	200			Skin
	ACGIH				200		250	Skin, BEI - Headache, eye dam, dizziness, nausea
	DFG	GERMANY	C			260	200	
	ACGIH				200		250	Skin - potential significant contribution to overall exposure by the cutaneous route;eye damage;headache; dizziness;nausea
	National	SWEDEN		250	200			

	EU			260	200			Indicative	Possibility of significant uptake through the skin
	National	FRANCE		260	200	1300	1000		
	National	SPAIN		266	200				
	National	GREECE		260	200	325	250		
	National	DENMARK		260	200				
	National	FINLAND		270	200	330	250		
	National	GERMANY		270	200				
	National	PORTUGAL		260	200		250		
	National	BELGIUM		266	200	333	250		
	NDS	POLAND		100					
	NDSCh	POLAND				300			
	CHE	SWITZERLAND				1040	800		
	NDS	NETHERLANDS		133					
	National	CZECH REPUBLIC		250					
	National	HUNGARY		260					
	Malaysia OEL	MALAYSIA		262	200				Skin notation
	National	ESTONIA		250	200	350	250		
	National	LATVIA		260	200				
	National	CZECH REPUBLIC	C			1000			
	National	SLOVAKIA		260	200				
	National	SLOVENIA		260	200				
	National	UNITED KINGDOM		266	200	333	250		
	National	BULGARIA		260,0	200				
	National	ROMANIA		260	200				
	TUR	TURKEY		260	200				
	National	LITHUANIA		260	200				
	National	CROATIA		260	200				

Biological Exposure Index

	Value	UoM	Medium	Biological Indicator	Sampling Period
methanol CAS: 67-56-1	15	mg/L	Urine	Methyl alcohol	End of turn

Predicted No Effect Concentration (PNEC) values

	PNEC Limit	Exposure Route	Exposure Frequency	Remark
1-methoxy-2-propanol CAS: 107-98-2	10 mg/l	Fresh Water		
	100 mg/l	Intermittent release		
	1 mg/l	Marine water		
	100 mg/l	Microorganisms in sewage treatments		
	52,3 mg/kg	Freshwater sediments		
	5,2 mg/kg	Marine water sediments		
	4,59 mg/kg	Soil		
n-butyl acetate CAS: 123-86-4	1,18 mg/l	Fresh Water		
	0,018 mg/l	Marine water		

	0,981 mg/kg	Freshwater sediments
	0,0981 mg/kg	Marine water sediments
	0,36 mg/l	Intermittent release
	0,0903 mg/kg	Soil
methanol CAS: 67-56-1	154 mg/l	Fresh Water
	15,4 mg/l	Marine water
	570,4 mg/kg	Freshwater sediments
	23,5 mg/kg	Soil
	100 mg/l	Microorganisms in sewage treatments
	1540 mg/l	Intermittent release

Derived No Effect Level. (DNEL)

	Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
1-methoxy-2-propanol CAS: 107-98-2		369 mg/m3		Human Inhalation	Long Term, systemic effects	
		553,5 mg/m3		Human Inhalation	Short Term, systemic effects	
		553,5 mg/m3		Human Inhalation	Short Term, local effects	
		183 mg/kg		Human Dermal	Long Term, systemic effects	
			43,9 mg/m3	Human Inhalation	Long Term, systemic effects	
			78 mg/kg	Human Dermal	Long Term, systemic effects	
			33 mg/m3	Human Oral	Long Term, systemic effects	
n-butyl acetate CAS: 123-86-4	960 mg/m3			Human Inhalation	Short Term, systemic effects	
	960 mg/m3			Human Inhalation	Short Term, local effects	
	480 mg/m3			Human Inhalation	Long Term, systemic effects	
	480 mg/m3			Human Inhalation	Long Term, local effects	
			859,7 mg/m3	Human Inhalation	Short Term, systemic effects	
			859,7 mg/m3	Human Inhalation	Short Term, local effects	
			102,34 mg/m3	Human Inhalation	Long Term, systemic effects	
			102,34 mg/m3	Human Inhalation	Long Term, local effects	
methanol CAS: 67-56-1	40 mg/kg		8 mg/kg	Human Dermal	Short Term, systemic effects	
	260 mg/m3		50 mg/m3	Human Inhalation	Short Term, systemic effects	

260 mg/m3	50 mg/m3	Human Inhalation	Short Term, local effects
40 mg/kg	8 mg/kg	Human Dermal	Long Term, systemic effects
260 mg/m3	50 mg/m3	Human Inhalation	Long Term, local effects
260 mg/m3	50 mg/m3	Human Inhalation	Long Term, systemic effects
	8 mg/kg	Human Oral	Short Term, systemic effects
	8 mg/kg	Human Oral	Long Term, systemic effects

8.2. Exposure controls

Eye protection:

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

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

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.

Neoprene gloves are suggested (0,5 mm) not recommended gloves: not waterproof gloves

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.

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to appropriate EN standards, like EN 136, 140, 143, 149, 14387 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

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

Color: white

Odour: Characteristic

Melting point / freezing point: Not available

Initial boiling point and boiling range: Not available

Flammability: The product is classified Flam. Liq. 3 H226

Upper/lower flammability or explosive limits: Not available

Flash point: 36 °C (97 °F)

Auto-ignition temperature: Not available

Decomposition temperature: Not available

pH: Not available

Viscosity: 15.00 mPA-s

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

Solubility in water: Not available

Solubility in oil: soluble

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

Vapour pressure: Not available

Relative density: 0.80 g/cm3

Vapour density: Not available

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

Avoid contact with combustible materials. The product could catch fire.

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 mixture:

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	The product is classified: STOT SE 3(H336)
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	The product is classified: Asp. Tox. 1(H304)

Toxicological information on main components of the mixture:

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	a) acute toxicity	LD50 Skin Rabbit > 3160 mg/kg
		LC50 Inhalation Rat > 8500 mg/m3 4h
		LD50 Oral Rat > 6000 mg/kg
1-methoxy-2-propanol	a) acute toxicity	LD50 Oral Rat = 5300 mg/kg
		LD50 Skin Rabbit = 13000 mg/kg
		LC50 Inhalation Rat = 28,8 mg/l 4h
		LD50 Skin Rabbit = 13 g/kg
		LC50 Inhalation Rat > 7559 ppm 6h
		LD50 Oral Rat = 5000 mg/kg
	h) STOT-single exposure	NOAEL Oral Rat = 919 mg/kg
		NOAEL Inhalation Rat = 3,7 mg/kg
		NOAEL Skin Rabbit > 1000 mg/kg

n-butyl acetate	a) acute toxicity	LC50 Inhalation Rat = 21,1 mg/l 4h
		LD50 Oral Rat > 6400 mg/kg
		LD50 Skin Rabbit > 5000 mg/kg
		LD50 Skin Rabbit > 17600 mg/kg
		LC50 Inhalation Rat = 390 ppm 4h
		LD50 Oral Rat = 10768 mg/kg
	g) reproductive toxicity	NOAEC = 2000 ppm
methanol	a) acute toxicity	LD50 Skin Rabbit > 17100, mg/kg

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 components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS: 64742-48-9 - EINECS: 265-150-3 - INDEX: 649-327-00-6	a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 2200 mg/L 96h IUCLID
1-methoxy-2-propanol	CAS: 107-98-2 - EINECS: 203-539-1 - INDEX: 603-064-00-3	a) Aquatic acute toxicity : LC50 Fish = 5000 mg/L 96
		a) Aquatic acute toxicity : EC50 Daphnia = 23300 mg/L 48
		a) Aquatic acute toxicity : EC50 Algae > 1000 mg/L 96
		a) Aquatic acute toxicity : LC50 Bacteria > 1000 mg/L 3
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 20,8 g/l 96h IUCLID
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 23300 mg/L 48h IUCLID
n-butyl acetate	CAS: 123-86-4 - EINECS: 204-658-1 - INDEX: 607-025-00-1	a) Aquatic acute toxicity : LC50 Fish = 18 mg/L 96
		a) Aquatic acute toxicity : EC50 Daphnia = 44 mg/L 48
		a) Aquatic acute toxicity : EC50 Algae = 675 mg/L 72
		a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 100 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 17 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 674,7 mg/L 72h IUCLID
methanol	CAS: 67-56-1 - EINECS: 200-659-6 - INDEX: 603-001-00-X	a) Aquatic acute toxicity : LC50 Fish 15400 mg/L 96h
		b) Aquatic chronic toxicity : NOEC Fish = 450 mg/L

12.2. Persistence and degradability

Component	Persitence/Degradability:
methanol	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.

Hazardous waste: Yes

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

14.1. UN number or ID number

1866

14.2. UN proper shipping name

ADR-Shipping Name: RESIN SOLUTION, flammable

IATA-Technical name: RESIN SOLUTION flammable

IMDG-Technical name: RESIN SOLUTION flammable

14.3. Transport hazard class(es)

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

14.5. Environmental hazards

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: F-E, S-E

14.6. Special precautions for user

Road and Rail (ADR-RID) :

ADR-Label: 3

ADR-Hazard identification number: 30

ADR-Special Provisions: -

ADR-Transport category (Tunnel restriction code): 3 (D/E)

Air (IATA) :

IATA-Passenger Aircraft: 355

IATA-Cargo Aircraft: 366

IATA-Label: 3

IATA-Subsidiary hazards: -

IATA-Erg: 3L

IATA-Special Provisioning: A3

Sea (IMDG) :

IMDG-Stowage Code: Category A

IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 223 955

IMDG-EMS: F-E, S-E

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

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. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)

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

Seveso III category according to Annex 1, part 1	Lower-tier threshold (tonnes)	Upper-tier threshold (tonnes)
Products belongs to category P5c	5000	50000

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: 3, 40

Restrictions related to the substances contained: 28, 29, 69, 75

SVHC Substances:

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

German Water Hazard Class (WGK)

Class 3: extremely hazardous.

15.2. Chemical safety assessment

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

SECTION 16: Other information

Code	Description
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.
H371	May cause damage to organs.

Code	Hazard class and hazard category	Description
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.1/3/Dermal	Acute Tox. 3	Acute toxicity (dermal), Category 3
3.1/3/Inhal	Acute Tox. 3	Acute toxicity (inhalation), Category 3
3.1/3/Oral	Acute Tox. 3	Acute toxicity (oral), Category 3
3.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
3.8/1	STOT SE 1	Specific target organ toxicity — single exposure, Category 1
3.8/2	STOT SE 2	Specific target organ toxicity — single exposure, Category 2
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
2.6/3	On basis of test data
3.8/3	Calculation method
3.10/1	Calculation method

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.

*** Sheet model entirely changed in compliance to regulatory update.**