Ref: QC1-19626
V1 30/08/2024
SUPERSEDES: V1299 21/10/2019

Liquid Waterproofing

Safety Data Sheet

According to Regulation (EU) 2020/878

STARCOAT QC

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

1.1 Product identifier
Trade name: STARCOAT QC

1.2 Relevant identified uses of the substance or mixture: Coating
Uses advised against: Uses other than those recommended

1.3. Details of the supplier of the safety data sheet

Supplier

Axter Ltd, Harbour Landing, Fox's Marina,
The Strand, Wherstead, Ipswich IP2 8NJ
Tel: +44 (0) 473 724056
Email: info@axterltd.co.uk
Website: www.axter.co.uk

1.4 Emergency telephone

Axter Ltd - +44 (0) 1473 724056
(this line is open from 8.00 am to 5.30 pm, Monday to Friday).
In the event of a medical enquiry involving this product, members of the public should contact:
NHS 111
a doctor or
a local hospital accident and emergency department.
The NPIS (National Poisons Information Service) helpline is available for enquiries from medical professionals only.
Tel: 0344 892 0111

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS02 Flammable

Flam. Liq. 3	H226 Flammable liquid and vapour.

GHS08 Health Hazard

Skin Sens. 1	H317 May cause an allergic skin reaction.
Resp. Sens. 1	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008

Hazard pictograms

GHS02

GHS08

Signal word	Danger
Contains	Aromatic polyurethane polymer

Hazard statements

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P342+P311	If experiencing respiratory symptoms, contact doctor or poison centre.
P370+P378	In case of fire, use correct extinguisher.

EUH statements

EUH208 — Contains 4,4'diphenylmethane diisocyanate, oligomers. May produce an allergic reaction.

Contains: Aromatic polyurethane polymer.

2.3 Other hazards

The mixture does not contain substances classified as PBT.
The mixture does not contain substances classified as vPvB.
The mixture does not contain any endocrine disrupting properties substances.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

Section 3: Composition/information on ingredients

3.1 Substances

N/A

3.2 Mixtures

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace and classified as PBT/vPvB, or included in the Candidate List:

Identifiers	Name	Concentrate	(*) Classification – Regulation (EC) No 1272/2008	
			Classification	Specific Concentration Limit and Acute Toxicity Estimate
CAS No. 96328-90-4	Aromatic polyurethane polymer	1-75%	Resp. Sens. 1, H334; Skin Sens. 1, H317	-
Index No. 607-195-00-7 CAS No. 108-65-6 EC No. 203-603-9 Reg No. 01-2119475791-29-XXXX	[1] 2-methoxy-1-methylethyl acetate	2.5-10%	-	-
Index No. 601-022-00-9 CAS No. 1330-20-7 EC No. 215-535-7 Reg No. 01-2119488216-32-XXXX	[1] xylene	1-10%	Acute Tox. 4, H312+H332	-
Index No. 601-023-00-4 CAS No. 100-41-4 EC No. 202-849-4 Reg No. 01-2119489370-35-XXXX	[1] ethylbenzene	1-10%	Acute Tox. 4*, H332	-
CAS No. 25686-28-6 EC No. 500-040-3 Reg No. 01-2119457013-49	4,4'diphenylmethane diisocyanate, oligomers	0.1-1%	-	-
Index No: 607-251-00-0 CAS No: 70657-70-4 EC No: 274-724-2	2-methoxypropyl acetate	0 - 0.3%	-	-

(*) The complete text of the H phrases is given in Section 16.

[1] Substance with a European Union exposure limit in the workplace (see section 8.1).

Section 4: First aid measures

4.1 Description of first aid measures

General information	In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.
After inhalation	Remove the person exposed to fresh air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.
After skin contact	Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.
After eye contact	Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up. Then consult a doctor.
After swallowing	If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce omitting.

4.2 Most important symptoms and effects, both acute and delayed

It may cause an allergic reaction, dermatitis, redness or inflammation of the skin.
It may cause an allergic reaction in the respiratory system. Chronic exposure can lead to asthma.

4.3 Indication of any immediate medical attention and special treatment needed

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. If the person vomits, clear the respiratory tract. Keep the person comfortable. Turn him/her over to the left side and stay there while waiting for medical care.

Section 5: Firefighting measures

Flammable product, the necessary prevention measures should be taken in order to avoid risks.
In case of fire, the following measures are recommended:

5.1 Extinguishing media

Suitable extinguishing media: CO_2, extinguishing powder. In case of more serious fires, also alcohol-resistant foam and water spray.
Unsuitable extinguishing media: Do not use a direct stream of water to extinguish.
In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture

Special risks:
Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Flammable vapors or gases

5.3 **Advice for firefighters:** Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Follow the instructions given in the emergency or fire evacuation plans if available.

Fire protection equipment: According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions

Product not classified as hazardous for the environment, avoid spillage as much as possible.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections

For exposure control and individual protection measures, see section 8.
For later elimination of waste, follow the recommendations under section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.
The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.
Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8.
In the application area, smoking, eating, and drinking must be prohibited.
Follow legislation on occupational health and safety.
Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities:

Storage

Store according to local legislation.
Observe any warnings on the label.
Store the containers between 5-25°C.
Store in a dry and well ventilated area.
Store away from heat or sunlight.
Keep away from ignition points.
Keep away from oxidizing agents and from highly acidic or alkaline materials.
Do not smoke.
Prevent the entry of non-authorised persons.
Once the containers are open, they must be carefully closed and placed vertically to prevent spills.
Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (Seveso III):

Code	Description	Qualifying quantity (tonnes) for the application of	
		Lower tier requirements	Upper tier requirements
P5c	FLAMMABLE LIQUIDS	5.000	50.000

7.3 Specific end use(s) Not available

Section 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Work exposure limit for:

Name	CAS No.	Country	Limit Value	ppm	mg/m³
2-methoxy-1-methylethyl acetate	108-65-6	European Union [1]	Eight hours:	50 (skin)	275 (skin)
			Short Term:	100 (skin)	550 (skin)
xylene (mixture of isomers)	1330-20-7	European Union [1]	Eight hours:	50 (skin)	221 (skin)
			Short Term:	100 (skin)	442 (skin)
ethylbenzene	100-41-4	European Union [1]	Eight hours:	100 (skin)	442 (skin)
			Short Term:	200 (skin)	884 (skin)

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive. The product does NOT contain substances with Biological Limit Values. Concentration levels DNEL/DMEL.

Name	DNEL / DMEL	Limit Value	Value
2-methoxy-1-methylethyl acetate CAS No 108-65-6 EC No 203-603-9	DNEL (workers)	Inhalation, chronic, systemic effects	275 mg/m³
		Dermal, chronic, systemic effects	153.5 mg/kg bw/day
	DNEL (consumers)	Inhalation, chronic, systemic effects	33 mg/m³
		Dermal, chronic, systemic effects	54.8 mg/kg bw/day
		Oral, chronic, systemic effects	1.67 mg/kg bw/day
xylene (mixture of isomers) CAS No 1330-20-7 EC No. 215-535-7	DNEL (workers)	Inhalation, chronic, systemic effects	77 mg/m³
ethylbenzene CAS No. 100-41-4 EC No. 202-849-4	DNEL (workers)	Inhalation, chronic, systemic effects	77 mg/m³

DNEL *Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated*

DMEL *Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum*

Concentration levels PNEC:

Name	Details	Value
2-methoxy-1-methylethyl acetate CAS No 108-65-6 EC No 203-603-9	Aqua (freshwater)	0.635 mg/L
	Aqua (marine water)	0.0635 mg/L
	Aqua (intermittent releases)	6.35 mg/L
	STP	100 mg/L
	Sediment (freshwater)	3.29 mg/kg sediment dw
	Sediment (marine water)	0.329 mg/kg sediment dw
	Soil	0.29 mg/kg soil dw

PNEC *Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.*

8.2. Exposure controls

Measures of a technical nature: Provide adequate ventilation which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration	100%	
Uses	**Coating**	
Breathing Protection		
PPE: Characteristics: CEN Standards: Maintenance: Filter Type:	Filter mask for protection against gases and particles. CE Marking, Category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight. EN136, EN140, EN405 Should not be stored at high temperatures or in damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adapter. Read the manufacturer's instructions carefully regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk. Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX A2	
Hand Protection		
PPE: Characteristics: CEN Standards: Maintenance: Observations: Material: Breakthrough time: Material thickness:	Protective gloves for chemicals. CE Marking, Category III EN374-1, EN374-2, EN374-3, EN420 Keep in a dry place, away from any heat sources. Avoid exposure to sunlight as much as possible. Do not make changes to gloves that may alter their resistance. Do not apply paints, solvents or adhesives to the gloves. Gloves should be of the appropriate size and fit the user's hands well, not being too loose or too tight. Always use with clean and dry hands. PVC (polyvinyl chloride) >480 minutes 0.35mm	

Eye Protection		
PPE: Characteristics: CEN Standards: Maintenance: Observations:	Protective goggle with a built-in frame. CE Marking, Category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour. EN165, EN 166, EN167, EN168 Visibility through lenses should be ideal. Clean daily. Protectors should be disinfected periodically, following manufacturer's instructions. Some signs of wear and tear include: yellowing lenses, superficial scratches on lenses, scraping etc.	
Skin Protection		
PPE: Characteristics: CEN Standards: Maintenance: Observations:	Anti-static protective clothing. «CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements. EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5 In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer. The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.	
PPE: Characteristics: CEN Standards: Maintenance: Observations:	Anti-static safety footwear. «CE» marking, category II. EN ISO 13287, EN ISO 20344, EN ISO 20346 The footwear should be checked regularly. The level of comfort during use and acceptability are factors that are assessed very differently depending on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths.	

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information (appearance):

Physical state:	Liquid
Colour:	Various depending on pigmentation
Odour:	Solvent
Odour threshold:	Not applicable/Not available due to the nature/properties of the product
pH-value:	N/A
Melting point:	Not determined
Freezing point:	Not applicable/Not available due to the nature/properties of the product
Boiling point or initial boiling point and boiling range:	238 °C
Flash point:	45 °C
Flammability:	Flammable

Explosion limits

Lower:	Not determined
Upper:	Not applicable/Not available due to the nature/properties of the product
Vapour pressure:	Not determined
Vapour density:	Not determined
Relative density:	Not determined

Auto-ignition temperature:	Not applicable/Not available due to the nature/properties of the product
Decomposition temperature:	Not applicable/Not available due to the nature/properties of the product
Kinetic viscosity:	Not determined
Dynamic at 20 °C:	5000-10000 cps 25ºC
Kinematic at 20 °C:	Not determined
Solubility:	Organic solvents
Hydrosolubility:	Not soluble
Liposolubility:	Not determined
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure: Not determined	
Absolute density:	Not applicable/Not available due to the nature/properties of the product
Relative density:	1.3
Relative vapour density:	Not determined
Particle characteristics:	Not applicable/Not available due to the nature/properties of the product

9.2 Other information

Information with regard to physical hazard classes

Explosives:	
Explosive properties:	Non explosive
Flammable liquids:	
Sustained combustibility:	Yes
Oxidising Liquids:	
Oxidising properties:	Non oxidant
Other safety characteristics	
Viscosity:	5000-10000 cps 25ºC
Dropping point:	Not determined
Blink:	Not determined

Section 10: Stability and reactivity

10.1	**Reactivity**	The product does not present hazards by their reactivity.
10.2	**Chemical stability**	Stable under the recommended handling and storage conditions (see section 7).
10.3	**Possibility of hazardous reactions**	Flammable liquid and vapour.
10.4	**Conditions to avoid**	Avoid any improper handling. High temperature, static discharge, contact with incompatible materials, heat, direct sunlight. Do not heat closed containers.
10.5	**Incompatible materials**	Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.
10.6	**Hazardous decomposition products**	No decomposition if used for the intended uses.

Section 11: Toxicological information

11.1 Information on toxicological effect

Repeated or prolonged contact with the product can cause elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Exposure to concentrations of solvent fumes above the workplace exposure limit can have negative effects (irritation of the mucous membranes and respiratory system, adverse effects on the kidneys, liver and central nervous system). Among the symptoms are: headaches, vertigo, fatigue, muscular weakness, drowsiness, unconsciousness.

Based on the properties of isocyanates and taking into account existing technical data on similar products, it appears that this product may cause irritation and/or acute awareness of the respiratory system leading to an asthmatic condition, a wheezing and chest pressure. Sensitized individuals may show asthmatic symptoms when exposed to atmospheres containing concentrations below the level of exposure. Repeated exposure can lead to chronic respiratory diseases.

Toxicological information about the substances present in the composition.

Name	Acute Toxicity:			
	Type	Test	Kind	Value
2-methoxy-1-methylethyl acetate CAS No: 108-65-6 EC No: 203-603-9	Oral	LD50	Rat (female)	8532 mg/kg bw [1]
	Dermal	LD50	Rabbit	>5000 mg/kg bw [1]
	Inhalation	LD0	Rat	>4345 ppm (6 h) [1]
xylene CAS No: 1330-20-7 EC No: 215-535-7	Oral	LD50	Rata/Rat	4300 mg/kg bw [1]
	Dermal	LD50	Rabbit/Conejo	>1700 mg/kg bw [2]
	Inhalation	LC50	Rat/Rata	21.7 mg/l [2]
ethylbenzene CAS No: 100-41-4 EC No: 202-849-4	Oral	LD50	Rat	3500 mg/kg bw [1]
	Dermal	LD50	Rabbit	15400 mg/kg bw [1]
	Inhalation			
4,4'diphenylmethane diisocyanate, oligomers CAS No: 25686-28-6 EC No: 500-040-3	Oral	LD50	Rat (female)	>5000 mg/kg [1]
	Dermal			
	Inhalation			

[1] AMA Archives of Industrial Health, Vol. 14, Pg. 387, 1956

Primary irritant effect:

Acute Toxicity	Not conclusive data for classification
Acute Toxicity Estimate (ATE)	Mixtures: ATE (Dermal): 12.436 mg/kg
a) Skin corrosion/irritation	Not conclusive data for classification.
b) Serious eye damage/irritation	Not conclusive data for classification.
c) Respiratory or skin sensitization	Respiratory sensitiser, Category 1: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin sensitiser, Category 1: May cause an allergic skin reaction.

d) Germ cell mutagenicity Not conclusive data for classification.

e) Carcinogenicity Not conclusive data for classification.

f) Reproductive toxicity Not conclusive data for classification

g) STOT-single exposure Not conclusive data for classification.

h) STOT-repeated exposure Not conclusive data for classification.

i) Aspiration hazard Not conclusive data for classification.

11.2 Information on other hazards.

Endocrine disrupting properties
This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information
There is no information available on other adverse health effects.

Section 12: Ecological information

12.1 Toxicity

Name	Acute Toxicity:			
	Type	Test	Kind	Value
2-methoxy-1-methylethyl acetate CAS No: 108-65-6 EC No: 203-603-9	Fish	LC50	Oryzias latipes	100 mg/L (96 h) [1]
	Aquatic invertebrates	EC50 (24h)	Daphnia magna	407 mg/L (48 h) [1]
	Aquatic plants	EC50	Selenastrum capricornutum (Pseudokirchnerell a subcapitata)	>1000 mg/L (72 h) [1]
xylene (mixture of isomers) CAS No 1330-20-7 EC No. 215-535-7	Fish	LC50	Fish	15.7 mg/l [1]
	Aquatic invertebrates	LC50	Crustacean	8.5 mg/l [2]
	Aquatic plants	-	-	-
4,4'diphenylmethane diisocyanate, oligomers CAS No: 25686-28-6 EC No: 500-040-3	Fish	LC50	Brachydanio rerio	>1000 mg/l (96h) [1]
	Aquatic invertebrates	EC50	Daphnia magna	>1000 mg/l (24h) [1]
	Aquatic plants	EC50	Desmodesmus subspicatus	>1640 mg/l (72) [1]

[1] Bailey, H.C., D.H.W. Liu and H. A. Javitz 1985. Time/Toxicity Relationships in Short-Term Static,Dynamic and Plug-Flow Bioassys. In: R.C.Bahner and D.J.Hansen (Eds.), Aquatic Toxicology and Hazard Assessment, 8th Symposium, ASTM STP 891, Philadelphia, PA: 193-212

12.2 Persistence and degradability
Information about biodegradability:

Name	Biodegradability				
	Conditions	Initial conc.	% degredation	Parameter	Period
4,4'diphenylmethane diisocyanate, oligomers	Anaerobic	30 mg/l	0	-	28 d
CAS No: 25686-28-6 EC No: 500-040-3	Method: Inherent Biodegradability: Modified MITI Test (II)				

No information is available on the degradability of the substances present.
No information is available about persistence and degradability of the product.

12.3	**Bioaccumulative potential**	No information is available regarding the bioaccumulation of the substances present.
12.4	**Mobility in soil**	No information is available about the mobility in soil. The product must not be allowed to go into sewers or waterways. Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment
No information is available about the results of PBT and vPvB assessment of the product.

12.6. Endocrine disrupting properties
This product doesn't contain components with environmental endocrine disrupting properties.

12.7. 12.7. Other adverse effects
The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

No information is available about other adverse effects for the environment.

Section 13: Disposal considerations

13.1 Waste treatment methods
Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/ECregarding waste management.

Section 14: Transport information

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land:

Transport by road:	ADR
Transport by rail:	RID
Transport documentation:	Consignment note and written instructions

Sea:

Transport by ship:	IMDG
Transport documentation:	Bill of lading

Air:

Transport by plane:	ICAO/IATA
Transport document:	Airway bill

14.1	**UN-Number**	UN1866
14.2	**UN proper shipping name**	
	ADR	1866 RESIN SOLUTION, 3, PG III, (E)
	IMDG	1866 RESIN SOLUTION, 3, PG III (45°C)
	IAGO, IATA	1866 RESIN SOLUTION, 3, PG III
14.3	**Transport hazard class(es)**	
	Class	3 Flammable liquids
14.4	**Packing group**	Class 3
14.5	**Environmental hazards:**	
	Marine pollutant	No

14.6	**Special precautions for user**	Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-E, S-E
	Labels	3
	Hazard No.	N/A
	Provisions concerning carriage in bulk (ADR)	Not authorized carriage in bulk in accordance with ADR. Proceed in accordance with point 6.
	ADR Limited quantities (LQ)	5L
	IMDG Limited quantities (LQ)	5L
	ICAO Limited quantities (LQ)	10L

14.7 Maritime transport in bulk according to IMO instruments.
The product is not transported in bulk.

Section 15: Regulatory information

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC)

Product subcategory (Directive 2004/42/EC): I – one pack performance coatings, solvent-borne
Phase I* (from 01/01/2007): 600 g/l
Phase II* (from 01/01/2010): 500 g/l
(*) g/l ready to use

VOC Content (p/p): 15%
VOC Content: 184 g/l

The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.
The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.
The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment

No Chemical safety assessment has been carried out for this substance/mixture by the supplier.

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
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
H351	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure

Training hints

Instruction must take place including hazards and precautions before the start of employment and at least annually thereafter.

Classification codes:

Acute Tox. 4 : Acute toxicity (Dermal), Category 4

Acute Tox. 4 : Acute toxicity (Inhalation), Category 4

Asp. Tox. 1 : Aspiration toxicity, Category 1

Carc. 2 : Carcinogen, Category 2

Eye Irrit. 2 : Eye irritation, Category 2

Flam. Liq. 2 : Flammable liquid, Category 2

Flam. Liq. 3 : Flammable liquid, Category 3

Repr. 1B : Reproductive toxicant, Category 1B

Resp. Sens. 1 : Respiratory sensitiser, Category 1

Skin Irrit. 2 : Skin irritant, Category 2

Skin Sens. 1 : Skin sensitiser, Category 1

Skin Sens. 1 : Skin sensitiser, Category 1B

STOT RE 2 : Specific target organ toxicity following a repeated exposure, Category 2

STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

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

Physical hazards On basis of test data

Health hazards Calculation method

Environmental hazards Calculation method

Abbreviations and acronyms:
ADR/RID: Agreement concerning the International Carriage of Dangerous Goods by Road.
CEN: European Committee for Standardization.
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.
IMDG: International Maritime Code for Dangerous Goods.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:
http://eur-lex.europa.eu/homepage. html
http://echa.europa.eu/
Regulation (EU) 2020/878.
Regulation (EC) No 1907/2006.
Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Data Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.