

This safety data sheet was created pursuant to the requirements of: REACH Regulation (EC) No 1907/2006, as retained in UK law by (SI 2019/758 as amended)

EVO-STIK TX528 ADHESIVE Supercedes Date: 23-Aug-2023

Revision date 01-Nov-2023 Revision Number 2

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

1.1. Product identifier

Product Name EVO-STIK TX528 ADHESIVE

Pure substance/mixture Mixture

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

Recommended use Adhesives

Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik Limited Common Rd ST16 3EH Stafford UK

Tel: +44 (1785) 27 26 25 Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)

NHS: 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP (SI 2020/1567 as amended)

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)
Specific target organ toxicity — single exposure	Category 3 - (H336)
Category 3 Narcotic effects	
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 2 - (H225)

2.2. Label elements

Contains Ethyl acetate; Methyl ethyl ketone; Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; Hydrocarbons, C6, isoalkanes, <5% n-hexane

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Signal word

Danger

Hazard statements

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H411 - Toxic to aquatic life with long lasting effects.

H225 - Highly flammable liquid and vapour.

EU Specific Hazard Statements

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

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

P261 - Avoid breathing mist/vapours/spray

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

P280 - Wear protective gloves and eye/face protection

P391 - Collect spillage

P403 + P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No (EU Index No)	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Ethyl acetate	(607-022-00- 5) 205-500-4	141-78-6	20 - <25	Eye Irrit. 2 (H319) STOT SE 3 (H336)	-	01-2119475103- 46-XXXX

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Hydrocarbons, C7, n-alkanes, isoalkanes, Cyclics	Methyl ethyl ketone		78-93-3	20 - <25		-	
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Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics							
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n-alkanes, isoalkanes, cyclics	Hydrocarbons, C7.	927-510-4	RR-100219-3	10 - <20		-	01-2119475515-
Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H417) Flam. Liq. 2 (H328) Asp. Tox. 1 (H304) Skin Irrit. 2 (H328) Asp. Tox. 1 (H304) Skin Irrit. 2 (H316) Aquatic Chronic 2 (H317) Flam. Liq. 2 (H328) Asp. Tox. 1 (H304) Skin Irrit. 2 (H316) Aquatic Chronic 2 (H317) Flam. Liq. 2 (H328) STOT SE 3 (H335) STOT SE 2 (H327) Asp. Tox. 1 (H304) Skin Irrit. 2 (H316) Asp. Tox. 1 (H304) Skin Irrit. 2 (H373) Asp. Tox. 1 (H304) Skin Irrit. 2 (H317) Asp. Tox. 1 (H304) Skin Irrit. 2 (H318) Asp. Tox. 1 (H304) Skin Irrit. 2 (H318) Asp. Tox. 1 (H304) Skin Irrit. 2 (H319) Acute Tox. 4 (H332) Flam. Liq. 3 (H317) Asp. Tox. 4 (H312) Acute Tox. 4 (H317) Asp. Tox. 4 (H318) Asp. Tox. 4 (H318) Asp. Tox. 4 (H319) Acute Tox. 4 (H319) Asp. Tox							
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Flam. Liq. 2							
					(H225)		

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				Aquatic Chronic 3 (H412)		
Rosin	(650-015-00- 7) 232-475-7	8050-09-7	0.1- <1	Skin Sens. 1 (H317)	-	01-2119480418- 32-XXXX
N,N'-ethane-1,2-diylbis(1 2-hydroxyoctadecan-1-a mide)		123-26-2	0.1 - <0.5	Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)	-	01-2119978265- 26-XXXX
Isopropyl alcohol	(603-117-00- 0) 200-661-7	67-63-0	0.1 - <0.5	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	01-2119457558- 25-XXXX
Xylene (reaction mass of ethylbenzene and xylene)	905-588-0	†	0.1 - <0.3	STOT SE 3 (H335) STOT RE 2 (H373) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Flam Liq. 3 (H226)	•	01-2119488216- 32-xxxx

NOTE [7] - No registration number is given for this substance because it is a polymer exempted from registration according to the provisions of Article 2(9) of REACH. All monomers or other substances within the polymer are registered or exempt from registration

Full text of H- and EUH-phrases: see section 16

Substances identified by a number starting "RR-" in the CAS-field are substances for which the CAS# is not adopted in EU and we use an internal numbering system to track within our SDS software

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Notes

See section 16 for more information

Chemical name	Notes
Xylenes (o-, m-, p- isomers) - 1330-20-7	С

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

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Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical Inhalation

attention immediately if symptoms occur.

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Eye contact

Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and

persists.

Wash off immediately with soap and plenty of water while removing all contaminated Skin contact

clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or

allergic reactions see a doctor.

Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious Ingestion

person. Call a doctor.

Remove all sources of ignition. Ensure that medical personnel are aware of the Self-protection of the first aider

material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more

information. Avoid contact with skin, eyes or clothing.

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

Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation. **Symptoms**

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness,

tiredness, nausea and vomiting.

No information available. **Effects of Exposure**

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

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

No information available. Unsuitable extinguishing media

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Product is or contains a sensitiser. May cause sensitisation by skin contact.

Hazardous combustion products Carbon oxides. Carbon monoxide. Carbon dioxide (CO2). Hydrogen chloride.

5.3. Advice for firefighters

precautions for fire-fighters

Special protective equipment and Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Use personal protective equipment as required. See Personal precautions

section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all

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ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled

material.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or

spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A

vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later

disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert

absorbent material. Pick up and transfer to properly labelled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid breathing vapours or mists. Keep away from

heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take

off contaminated clothing and wash it before reuse.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should

not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or

clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from

heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the

particular national regulations. Store in accordance with local regulations.

Recommended storage temperature

Keep at temperatures between 5 and 25 °C.

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7.3. Specific end use(s)

Specific use(s) Adhesives.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	United Kingdom
Ethyl acetate	TWA: 734 mg/m ³	TWA: 734 mg/m ³
141-78-6	TWA: 200 ppm	TWA: 200 ppm
	STEL: 1468 mg/m ³	STEL: 1468 mg/m ³
	STEL: 400 ppm	STEL: 400 ppm
Methyl ethyl ketone	TWA: 200 ppm	TWA: 200 ppm
78-93-3	TWA: 600 mg/m ³	TWA: 600 mg/m ³
	STEL: 300 ppm	STEL: 300 ppm
	STEL: 900 mg/m ³	STEL: 899 mg/m ³
		Sk*
Xylenes (o-, m-, p- isomers)	TWA: 50 ppm	TWA: 50 ppm
1330-20-7	TWA: 221 mg/m ³	TWA: 220 mg/m ³
	STEL: 100 ppm	STEL: 100 ppm
	STEL: 442 mg/m ³	STEL: 441 mg/m ³
	*	Sk*
Ethylbenzene	TWA: 100 ppm	TWA: 100 ppm
100-41-4	TWA: 442 mg/m ³	TWA: 441 mg/m ³
	STEL: 200 ppm	STEL: 125 ppm
	STEL: 884 mg/m ³	STEL: 552 mg/m ³
	*	Sk*
Rosin	-	TWA: 0.05 mg/m ³
8050-09-7		STEL: 0.15 mg/m ³
		Sen+
Magnesium oxide (MgO)	-	TWA: 10 mg/m ³
1309-48-4		TWA: 4 mg/m ³
		STEL: 30 mg/m ³
		STEL: 12 mg/m ³
Isopropyl alcohol	-	TWA: 400 ppm
67-63-0		TWA: 999 mg/m ³
		STEL: 500 ppm
		STEL: 1250 mg/m ³
Xylene (reaction mass of ethylbenzene and xylene)	TWA: 50 ppm	STEL: 100 ppm
	TWA: 221 mg/m ³	STEL: 441 mg/m ³
	STEL: 100 ppm	TWA: 50 ppm
	STEL: 442 mg/m ³	TWA: 220 mg/m ³
	S*	Skin
Talc	-	TWA: 1 mg/m ³
14807-96-6		STEL: 3 mg/m ³

Chemical name	European Union	Ireland	United Kingdom
Methyl ethyl ketone	-	70 µmol/L (urine - Butan-2-one post	70 µmol/L urine
78-93-3		shift)	
Xylenes (o-, m-, p- isomers)	-	1.5 g/g Creatinine (urine -	650 mmol/mol creatinine urine
1330-20-7		Methylhippuric acids end of shift)	
Ethylbenzene	-	0.7 g/g Creatinine (urine - sum of	-
100-41-4		Mandelic acid and Phenylglyoxylic	
		acid end of shift at end of	
		workweek)	
		0.7 g (end-exhaled air - not	
		critical)	
Isopropyl alcohol	-	40 mg/L (urine - Acetone end of	-

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67-63-0		shift at end of workweek)	
Derived No Effect Level (DNE	EL) No information availab	ble	
Derived No Effect Level (DNE	EL)		
Ethyl acetate (141-78-6)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term	Dermal	63 mg/kg bw/d	
Systemic health effects			
worker Short term Systemic health effects	Inhalation	1468 mg/m³	
worker Long term Local health effects	Inhalation	734 mg/m³	
worker Short term	Inhalation	1468 mg/m³	
Local health effects worker Long term	Inhalation	734 mg/m³	
Systemic health effects			
Methyl ethyl ketone (78-93-3)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Dermal	1161 mg/kg bw/d	
worker Long term Systemic health effects	Inhalation	600 mg/m³	
	'	<u>'</u>	
Hydrocarbons, C7, n-alkanes			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	2085 mg/m³	
worker Long term Systemic health effects	Dermal	300 mg/kg bw/d	
Xylenes (o-, m-, p- isomers) (1220-20-7\		
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects worker	Dermal	180 mg/kg bw/d	
Long term Systemic health effects worker	Inhalation	77 mg/m³	
Short term Local health effects Systemic health effects worker	Inhalation	289 mg/m³	
Rosin (8050-09-7)	_		
Type	Exposure route	Derived No Effect Level	Safety factor
		· · · · · · · · · · · · · · · · · · ·	

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		(DNEL)	
worker	Inhalation	10 mg/m ³	
Long term			
Local health effects			
worker	Dermal	2131 mg/kg bw/d	
Long term			
Systemic health effects			

Isopropyl alcohol (67-63-0)					
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
worker Long term Systemic health effects	Inhalation	500 mg/m ³			
worker Long term Systemic health effects	Dermal	888 mg/kg bw/d			

Xylene (reaction mass of eth	nylbenzene and xylene) (
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	221 mg/m³	
worker Long term Local health effects	Inhalation	221 mg/m³	
worker Short term Local health effects	Inhalation	442 mg/m³	
worker Long term Systemic health effects	Dermal	212 mg/kg bw/d	

Derived No Effect Level (DNEL)						
Ethyl acetate (141-78-6)	Ethyl acetate (141-78-6)					
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor			
Consumer Long term Systemic health effects	Oral	4.5 mg/kg bw/d				
Consumer Long term Systemic health effects	Dermal	37 mg/kg bw/d				
Consumer Short term Systemic health effects	Inhalation	734 mg/m³				
Consumer Long term Local health effects	Inhalation	367 mg/m³				
Consumer Short term Local health effects	Inhalation	734 mg/m³				
Consumer Long term Systemic health effects	Inhalation	367 mg/m³				

Methyl ethyl ketone (78-93-3)

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Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Dermal	412 mg/kg bw/d	
Consumer Long term Systemic health effects	Inhalation	106 mg/m³	
Consumer Local health effects Systemic health effects	Oral	31 mg/kg bw/d	

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (RR-100219-3)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer	Inhalation	447 mg/m ³	
Long term			
Systemic health effects			
Consumer	Dermal	149 mg/kg bw/d	
Long term			
Systemic health effects			
Consumer	Oral	149 mg/kg bw/d	
Long term			
Systemic health effects			

Rosin (8050-09-7)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Dermal	1065 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	1065 mg/kg bw/d	

Isopropyl alcohol (67-63-0)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
Consumer Long term Systemic health effects	Inhalation	89 mg/m³		
Consumer Long term Systemic health effects	Dermal	319 mg/kg bw/d		
Consumer Long term Systemic health effects	Oral	26 mg/kg bw/d		

Xylene (reaction mass of ethylbenzene and xylene) ()			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	65.3 mg/m ³	
Consumer Short term Systemic health effects	Inhalation	260 mg/m³	
Consumer Long term	Inhalation	65.3 mg/m³	

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Local health effects			
Consumer	Inhalation	260 mg/m³	
Short term			
Local health effects			
Consumer	Dermal	125 mg/kg bw/d	
Long term			
Systemic health effects			
Consumer	Oral	12.5 mg/kg bw/d	
Long term			
Systemic health effects			

Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	
Ethyl acetate (141-78-6)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.24 mg/l
Marine water	0.024 mg/l
Freshwater sediment	1.15 mg/kg
Marine sediment	0.115 mg/kg
Soil	0.148 mg/kg
Microorganisms in sewage treatment	650 mg/l

Methyl ethyl ketone (78-93-3)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	55.8 mg/l	
Marine water	55.8 mg/l	
Freshwater sediment	287.74 mg/l	
Marine sediment	287.7 mg/l	
Soil	22.5 mg/l	

Rosin (8050-09-7)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	0.002 mg/l	
Marine water	0 mg/l	
Sewage treatment plant	1000 mg/l	
Freshwater sediment	0.007 mg/l	
Marine sediment	0.001 mg/l	

Isopropyl alcohol (67-63-0)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	140.9 mg/l
Marine water	140.9 mg/l
Sewage treatment plant	2251 mg/l
Freshwater sediment	552 mg/kg dry weight
Marine sediment	552 mg/kg dry weight
Soil	28 mg/kg dry weight

Xylene (reaction mass of ethylbenzene and xylene) ()			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Freshwater	0.327 mg/l		
Marine water	0.327 mg/l		
Microorganisms in sewage treatment	6.58 mg/l		
Freshwater sediment	12.46 mg/kg dry weight		
Soil	2.31 mg/kg dry weight		

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be

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exhausted directly at the point of origin.

Personal protective equipment

Tight sealing safety goggles. Face protection shield. Eve protection must conform to Eye/face protection

standard EN 166.

Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the Hand protection

breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. Gloves should be

replaced regularly and if there is any sign of damage to the glove material.

Skin and body protection Antistatic footwear. Wear fire/flame resistant/retardant clothing. Suitable protective

clothing.

In case of inadequate ventilation wear respiratory protection. In case of mist, spray or Respiratory protection

aerosol exposure wear suitable personal respiratory protection and protective suit.

Organic gases and vapours filter conforming to EN 14387. Recommended filter type:

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid **Appearance** Liquid Colour Light vellow

Odour No information available.

Remarks • Method Property Values

No data available Melting point / freezing point None known

Initial boiling point and boiling 66 °C

range

Flammability Not applicable for liquids .

Flammability Limit in Air None known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

-20 °C Flash point

Autoignition temperature No data available None known None known

Decomposition temperature

No data available Not applicable. Insoluble in water. pН

pH (as aqueous solution) No data available None known

Kinematic viscosity 500 mm²/s @ 40°C None known

No data available Dynamic viscosity Water solubility Insoluble in water.

Solubility(ies) No data available None known **Partition coefficient** No data available None known Vapour pressure <110 kPa None known Relative density 0.84 -None known

Bulk Density No data available Density No data available

No data available None known Relative vapour density

Particle characteristics

No information available **Particle Size Particle Size Distribution** No information available

9.2. Other information

Solid content (%) No information available

Directive 2004/42/EC on the limitation of emissions of **VOC** content No data available 655 g/L

volatile organic compounds

9.2.1. Information with regards to physical hazard classes Not applicable

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9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical

None.

mpact

Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition

products

None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract. May cause drowsiness or dizziness.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye

irritation. (based on components). May cause redness, itching, and pain.

Skin contact May cause sensitisation by skin contact. Specific test data for the substance or mixture is

not available. Repeated or prolonged skin contact may cause allergic reactions with

susceptible persons. (based on components). Causes skin irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes. Inhalation

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of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) >5000 mg/kg
ATEmix (dermal) 26,629.40 mg/kg
ATEmix (inhalation-gas) >20000 ppm
ATEmix (inhalation-dust/mist) 55.10 mg/l
ATEmix (inhalation-vapour) 172.60 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl acetate	=5620 mg/kg (Rattus)	> 18000 mg/kg (Oryctolagus cuniculus) > 20 mL/kg (Oryctolagus cuniculus)	LC0 29.3 mg/l air
Methyl ethyl ketone	=2483 mg/kg (Rattus)	= 5000 mg/kg (Oryctolagus cuniculus)	=11700 ppm (Rattus) 4 h
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	LD50 >5840 mg/kg Rat	LD50 >2920 mg/kg (Rattus)	LC50 >23.3 mg/L (4h)(Rat, vapour) (OECD 403)
Hydrocarbons, C6, isoalkanes, <5% n-hexane	>16750 mg/Kg (Rattus)	>3350 mg/Kg (Oryctolagus cuniculus) OECD 402	259354 mg/m³ (vapour) (rat OECD 403)
Xylenes (o-, m-, p- isomers)	=3500 mg/kg (Rattus)	> 1700 mg/kg (Oryctolagus cuniculus) > 4350 mg/kg (Oryctolagus cuniculus)	= 11 mg/L (ATE)
Ethylbenzene	=3500 mg/kg (Rattus)	= 15400 mg/kg (Oryctolagus cuniculus)	=17.6 mg/L (Rattus) 4 h
Rosin	>2000 mg/Kg (Rattus)	> 2500 mg/kg (Oryctolagus cuniculus)	=1.5 mg/L (Rattus) 4 h
N,N'-ethane-1,2-diylbis(12-hydr oxyoctadecan-1-amide)	>2000 mg/Kg (Rattus)	-	-
Isopropyl alcohol	>5000 mg/Kg	= 4059 mg/kg (Oryctolagus cuniculus)	=72600 mg/m ³ (Rattus) 4 h
Xylene (reaction mass of ethylbenzene and xylene)	=3500 mg/kg (Rattus)	>10000 mg/kg (Oryctolagus cuniculus)	=>47635 mg/L (Rattus) 4 h = >5000 ppm (Rattus) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Methyl ethyl ketone (78-93-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye			irritant
Acute Eye					
Irritation/Corrosion					

Isopropyl alcohol (67-63-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye			Irritant
Acute Eye					

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Irritation/Corrosion			

Respiratory or skin sensitisation May cause an allergic skin reaction.

Ethyl acetate (141-78-6)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin	Guinea pig	Dermal	No sensitisation responses
Sensitisation			were observed

Methyl ethyl ketone (78-93-3)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin	Guinea pig	Dermal	No sensitisation responses
Sensitisation			were observed

Xylenes (o-, m-, p- isomers) (1330-20-7)

Method	Species	Exposure route	Results
OECD Test No. 429: Skin	Mouse	Dermal	No sensitisation responses
Sensitisation: Local Lymph Node			were observed
Assay			

Isopropyl alcohol (67-63-0)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin	Guinea pig		No sensitisation responses
Sensitisation	-		were observed

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Component Information Isopropyl alcohol (67-63-0)

Method	Species	Results
OECD Test No. 476: In vitro Mammalian Cell	Hamster, in vitro	Not mutagenic
Gene Mutation Test		-

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposureBased on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

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Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Ethyl acetate	EC50:	LC50: =484mg/L		EC50: =560mg/L		
141-78-6	=3300mg/L (48h,	(96h,	mg/L 5 min	(48h, Daphnia		
	Desmodesmus	Oncorhynchus	EC50 = 1500	magna)		
	subspicatus)	mykiss) LC50:	mg/L 15 min			
		352 - 500mg/L	EC50 = 5870			
		(96h,	mg/L 15 min			
		Oncorhynchus	EC50 = 7400			
		mykiss) LC50:	mg/L 2 h			
		220 - 250mg/L				
		(96h,				
		Pimephales				
	"	promelas)				
	EC50=1972 mg/l			EC50 48 h > 308		
78-93-3	(Pseudokirchner		mg/L 30 min	mg/L (Daphnia		
	iella subcapitata)		EC50 = 3426	magna)		
-		promelas)	mg/L 5 min			
Hydrocarbons, C7,	ErL50 (72h) =	LL50 (96h)	-	EL50 (48h) =		
n-alkanes, isoalkanes,	10-30 mg/L	>13.4 mg/L		3.0 mg/L		
cyclics	(Pseudokirchner			(Daphnia		
RR-100219-3	iella subcapitata)			magna)		
		OECD 203				
Hydrocarbons, C6,	EL50 (72h) =	LL50 (96h) =	-	EL50 (48h)=		
isoalkanes, <5%	13.6 mg/l	18.27 mg/l		31.9 mg/l		
n-hexane	(Pseudokirchner			(Daphnia		
RR-100242-2	iella subcapitata)	mykiss)		magna)		
Xylenes (o-, m-, p-	-	LC50 96 h 2.6	EC50 = 0.0084	EC50 48 h = 3.4		
isomers)		mg/L	mg/L 24 h	mg/L (Dappnia		
1330-20-7		(Oncorhynchus		magna)		
		mykiss) (OECD 203)				
Ethylbenzene	EC50 72 h 2.6 -	LC50 96 h = 4.2	EC50 = 9.68	EC50: 1.8 -		
100-41-4	11.3 mg/L	mg/L	mg/L 30 min	2.4mg/L (48h,		
	(Pseudokirchner	(Oncorhynchus	EC50 = 96 mg/L	Daphnia magna)		
	iella subcapitata)	mykiss	24 h			
		semi-static)				
Rosin	EC50: =400mg/L	LC50 (96h)	EC50 = 31.5	EC50 48 h		
8050-09-7	(72h,	>10mg/L (Danio	mg/L 30 min	>100 mg/L		
	Desmodesmus	rerio)		(Daphnia magna		
	subspicatus))		
Isopropyl alcohol	EC50 72 h >	LC50 96 h >	-	EC50:		
67-63-0	1000 mg/L	1400000 ?g/L		=13299mg/L		
	(Desmodesmus			(48h, Daphnia		
	subspicatus)	macrochirus)		magna)		
Xylene (reaction mass	EC50 (72hr) 2.2	LC50(96h) 2.6	EC50 = 0.0084	LC50(24h) 1		
of ethylbenzene and	mg/l	mg/l	mg/L 24 h	mg/l (Daphnia		
xylene)	(Selenastrum	(Oncorhynchus		magna-OECD		
	capricornutum)	mykiss-OECD		202)		
		203)				

12.2. Persistence and degradability

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Persistence and degradability

No information available.

Methyl ethyl ketone (78-93-3)

Method	Exposure time	Value	Results
OECD Test No. 301D: Ready	28 days	biodegradation	98 % Readily biodegradable
Biodegradability: Closed Bottle Test	-	-	
(TG 301 D)			

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (RR-100219-3)

: 1) an e e an e e e e e e e e e e e e e e e	injunction of the antanto, retained to the transfer of					
Method	Exposure time	Value	Results			
OECD Test No. 301F: Ready	28 days	98%	Readily biodegradable			
Biodegradability: Manometric						
Respirometry Test (TG 301 F)						

Xylenes (o-, m-, p- isomers) (1330-20-7)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready	28 days	biodegradation	87.8 % Readily biodegradable
Biodegradability: Manometric			
Respirometry Test (TG 301 F)			

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Ethyl acetate	0.73
Methyl ethyl ketone	0.3
Hydrocarbons, C6, isoalkanes, <5% n-hexane	3.6
Xylenes (o-, m-, p- isomers)	3.15
Ethylbenzene	3.6
Rosin	7.7
Isopropyl alcohol	0.05
Xylene (reaction mass of ethylbenzene and xylene)	3.15

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessmentThe product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Ethyl acetate	The substance is not PBT / vPvB
Methyl ethyl ketone	The substance is not PBT / vPvB
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	The substance is not PBT / vPvB
Hydrocarbons, C6, isoalkanes, <5% n-hexane	The substance is not PBT / vPvB
Xylenes (o-, m-, p- isomers)	The substance is not PBT / vPvB
Ethylbenzene	The substance is not PBT / vPvB
Rosin	The substance is not PBT / vPvB
N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)	The substance is not PBT / vPvB
Isopropyl alcohol	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

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12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused

products

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or

weld containers.

European Waste Catalogue 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous

substances

15 01 10*: Packaging containing residues of or contaminated by dangerous substances

Other information Waste codes should be assigned by the user based on the application for which the

product was used.

SECTION 14: Transport information

Note: The information shown here, may not always agree with the bill of lading shipping

description for the material. The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory

definition).

Land transport (ADR/RID)

14.1 UN number or ID number UN1133 **14.2 UN proper shipping name** Adhesives

14.3 Transport hazard class(es) 3 Labels 3 14.4 Packing group ||

Description UN1133, Adhesives, 3, II, (D/E), Environmentally Hazardous

14.5 Environmental hazards Yes14.6 Special precautions for user

Special Provisions 640D
Classification code F1
Tunnel restriction code (D/E)
Limited quantity (LQ) 5 L
ADR Hazard Id (Kemmler 33

Number)

IMDG

14.1 UN number or ID number UN1133 **14.2 UN proper shipping name** Adhesives

14.3 Transport hazard class(es) 3 14.4 Packing group

Description UN1133, Adhesives, 3, II, (-20°C c.c.), Marine Pollutant

14.5 Marine pollutant P14.6 Special precautions for user

Special Provisions None
Limited Quantity (LQ) 5 L
EmS-No. F-E, S-D

14.7 Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

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Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number UN1133 14.2 UN proper shipping name Adhesives

14.3 Transport hazard class(es) 314.4 Packing group

Description UN1133, Adhesives, 3, II

14.5 Environmental hazards Yes
14.6 Special precautions for user
Special Provisions A3
Limited quantity (LQ) 1 L
ERG Code 3L

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National regulations

15.2. Chemical safety assessment

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Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking

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

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

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

H411 - Toxic to aquatic life with long lasting effects H412 - Harmful to aquatic life with long lasting effects

Notes relating to the identification, classification and labelling of substances

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers

Legend

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value
* Skin designation

SVHC Substance(s) of Very High Concern

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals vPvB Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE Specific target organ toxicity - Repeated exposure STOT SE Specific target organ toxicity - Single exposure

EWC European Waste Catalogue

ADR European Agreement concerning the International Carriage of Dangerous Goods by

Road

IMDG International Maritime Dangerous Goods (IMDG)
IATA International Air Transport Association (IATA)

RID Regulations concerning the International Transport of Dangerous Goods by Rail

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 01-Nov-2023

Indication of changes

Revision note Not applicable.

Training Advice Provide adequate information, instruction, and training for operator

Further information No information available

This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

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material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

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