



# SAFETY DATA SHEET

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 528**  
**Supersedes Date:** 01-Nov-2023

**Revision date** 01-Feb-2024  
**Revision Number** 6

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

### 1.1. Product identifier

**Product Name** EVO-STIK 528

**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)

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

### 2.2. Label elements

Contains Acetone; Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; Ethyl acetate; Formaldehyde, polymer with 4-(1,1-di-meth-ylethyl)phenol and phenol; Rosin

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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.

## 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  
P271 - Use only outdoors or in a well-ventilated area  
P273 - Avoid release to the environment  
P370 + P378 - In case of fire: Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam to extinguish  
P391 - Collect spillage  
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
Acetone	200-662-2 (606-001-00-8)	67-64-1	10 - <20	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	01-2119471330-49-XXXX
Hydrocarbons, C7,	927-510-4	RR-100219-3	10 - <20	STOT SE 3	-	01-2119475515-

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n-alkanes, isoalkanes, cyclics				(H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam. Liq. 2 (H225)		33-xxxx
Methyl ethyl ketone	201-159-0 (606-002-00-3)	78-93-3	10 - <20	Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	01-2119457290-43-XXXX
Ethyl acetate	205-500-4 (607-022-00-5)	141-78-6	10 - <20	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	-	01-2119475103-46-XXXX
Hydrocarbons, C6, isoalkanes, <5% n-hexane	931-254-9	RR-100242-2	5 - <10	STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam Liq. 2 (H225) (EUH066)	-	01-2119484651-34-XXXX
Xylenes (o-, m-, p-isomers)	215-535-7 (601-022-00-9)	1330-20-7	5 - <10	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) Aquatic Chronic 3 (H412)	-	01-2119488216-32-XXXX
Formaldehyde, polymer with 4-(1,1-di-meth-ylethyl)phenol and phenol	-	28453-20-5	5 - <10	Skin Sens. 1 (H317)	-	[7]
Ethylbenzene	202-849-4 (601-023-00-4)	100-41-4	1 - <2.5	STOT RE 2 (H373) Asp. Tox. 1 (H304) Acute Tox. 4 (H332)	-	01-2119489370-35-XXXX

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				Flam. Liq. 2 (H225) Aquatic Chronic 3 (H412)		
Rosin	232-475-7 (650-015-00-7)	8050-09-7	0.1- <1	Skin Sens. 1 (H317)	-	01-2119480418-32-XXXX
Xylene (reaction mass of ethylbenzene and xylene)	905-588-0	--	0.1 - <0.5	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  $\geq 0.1\%$  (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	C

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General advice

Show this safety data sheet to the doctor in attendance.

#### Inhalation

Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.

#### Eye contact

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

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<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the 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

<b>Symptoms</b>	Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
<b>Effects of Exposure</b>	No information available.

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

<b>Note to doctors</b>	May cause sensitisation in susceptible persons. Treat symptomatically.
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## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.
<b>Unsuitable extinguishing media</b>	No information available.

### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards arising from the chemical</b>	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.
<b>Hazardous combustion products</b>	Carbon oxides. Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).

### 5.3. Advice for firefighters

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Evacuate personnel to safe areas. Use personal protective equipment as required. See 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 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.
<b>Other information</b>	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

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**For emergency responders** Use personal protection recommended in Section 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.

### 7.3. Specific end use(s)

**Specific use(s)**  
Adhesives.

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

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Other information Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

Chemical name	European Union	United Kingdom
Acetone 67-64-1	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 1210 mg/m <sup>3</sup> STEL: 1500 ppm STEL: 3620 mg/m <sup>3</sup>
Methyl ethyl ketone 78-93-3	TWA: 200 ppm TWA: 600 mg/m <sup>3</sup> STEL: 300 ppm STEL: 900 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 600 mg/m <sup>3</sup> STEL: 300 ppm STEL: 899 mg/m <sup>3</sup> Sk*
Ethyl acetate 141-78-6	TWA: 734 mg/m <sup>3</sup> TWA: 200 ppm STEL: 1468 mg/m <sup>3</sup> STEL: 400 ppm	TWA: 734 mg/m <sup>3</sup> TWA: 200 ppm STEL: 1468 mg/m <sup>3</sup> STEL: 400 ppm
Xylenes (o-, m-, p- isomers) 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> *	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 100 ppm STEL: 441 mg/m <sup>3</sup> Sk*
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 442 mg/m <sup>3</sup> STEL: 200 ppm STEL: 884 mg/m <sup>3</sup> *	TWA: 100 ppm TWA: 441 mg/m <sup>3</sup> STEL: 125 ppm STEL: 552 mg/m <sup>3</sup> Sk*
Rosin 8050-09-7	-	TWA: 0.05 mg/m <sup>3</sup> STEL: 0.15 mg/m <sup>3</sup> Sen+
Magnesium oxide (MgO) 1309-48-4	-	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>
Xylene (reaction mass of ethylbenzene and xylene) --	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> S*	STEL: 100 ppm STEL: 441 mg/m <sup>3</sup> TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> Skin

Chemical name	European Union	Ireland	United Kingdom
Acetone 67-64-1	-	50 mg/L (urine - Acetone end of shift)	-
Methyl ethyl ketone 78-93-3	-	70 µmol/L (urine - Butan-2-one post shift)	70 µmol/L urine
Xylenes (o-, m-, p- isomers) 1330-20-7	-	1.5 g/g Creatinine (urine - Methylhippuric acids end of shift)	650 mmol/mol creatinine urine
Ethylbenzene 100-41-4	-	0.7 g/g Creatinine (urine - sum of Mandelic acid and Phenylglyoxylic acid end of shift at end of workweek) 0.7 g (end-exhaled air - not critical)	-

Derived No Effect Level (DNEL) No information available

#### Derived No Effect Level (DNEL)

##### Acetone (67-64-1)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term	Dermal	186 mg/kg bw/d	

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Systemic health effects worker			
Short term Local health effects worker	Inhalation	2420 mg/m <sup>3</sup>	
Long term Systemic health effects worker	Inhalation	1210 mg/m <sup>3</sup>	

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

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	2085 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Dermal	300 mg/kg bw/d	

## Methyl ethyl ketone (78-93-3)

Type	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/m <sup>3</sup>	

## Ethyl acetate (141-78-6)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Dermal	63 mg/kg bw/d	
worker Short term Systemic health effects	Inhalation	1468 mg/m <sup>3</sup>	
worker Long term Local health effects	Inhalation	734 mg/m <sup>3</sup>	
worker Short term Local health effects	Inhalation	1468 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Inhalation	734 mg/m <sup>3</sup>	

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

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/m <sup>3</sup>	
Short term Local health effects Systemic health effects	Inhalation	289 mg/m <sup>3</sup>	



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worker		
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<b>Rosin (8050-09-7)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Local health effects	Inhalation	10 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Dermal	2131 mg/kg bw/d	

<b>Xylene (reaction mass of ethylbenzene and xylene) (--)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	221 mg/m <sup>3</sup>	
worker Long term Local health effects	Inhalation	221 mg/m <sup>3</sup>	
worker Short term Local health effects	Inhalation	442 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Dermal	212 mg/kg bw/d	

<b>Derived No Effect Level (DNEL)</b>			
<b>Acetone (67-64-1)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	200 mg/m <sup>3</sup>	
Consumer Long term Systemic health effects	Dermal	62 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	62 mg/kg bw/d	

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

<b>Methyl ethyl ketone (78-93-3)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor

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Consumer Long term Systemic health effects	Dermal	412 mg/kg bw/d	
Consumer Long term Systemic health effects	Inhalation	106 mg/m <sup>3</sup>	
Consumer Local health effects Systemic health effects	Oral	31 mg/kg bw/d	

## Ethyl acetate (141-78-6)

Type	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/m <sup>3</sup>	
Consumer Long term Local health effects	Inhalation	367 mg/m <sup>3</sup>	
Consumer Short term Local health effects	Inhalation	734 mg/m <sup>3</sup>	
Consumer Long term Systemic health effects	Inhalation	367 mg/m <sup>3</sup>	

## Rosin (8050-09-7)

Type	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	

## 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 <sup>3</sup>	
Consumer Short term Systemic health effects	Inhalation	260 mg/m <sup>3</sup>	
Consumer Long term Local health effects	Inhalation	65.3 mg/m <sup>3</sup>	
Consumer Short term Local health effects	Inhalation	260 mg/m <sup>3</sup>	
Consumer Long term	Dermal	125 mg/kg bw/d	

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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)	
Acetone (67-64-1)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	10.6 mg/l
Freshwater - intermittent	21 mg/l
Marine water	1.06 mg/l
Microorganisms in sewage treatment	100 mg/l
Freshwater sediment	30.4 mg/kg dry weight
Marine water	3.04 mg/kg dry weight
Soil	29.5 mg/kg dry weight

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

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

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

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 exhausted directly at the point of origin.

### Personal protective equipment

#### Eye/face protection

Tight sealing safety goggles. Face protection shield. Eye protection must conform to standard EN 166.

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<b>Hand protection</b>	Wear protective gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature.
<b>Skin and body protection</b>	Antistatic footwear. Wear fire/flame resistant/retardant clothing. Suitable protective clothing.
<b>Respiratory protection</b>	In case of inadequate ventilation wear respiratory protection. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
<b>Recommended filter type:</b>	Organic gases and vapours filter conforming to EN 14387.

**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

<b>Physical state</b>	Liquid
<b>Appearance</b>	Viscous Liquid
<b>Colour</b>	Light yellow
<b>Odour</b>	Solvent.

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	No data available	
<b>Initial boiling point and boiling range</b>	56 °C	
<b>Flammability</b>	No data available	Flammable liquid
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Flash point</b>	-20 °C	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>		
<b>pH</b>	No data available	Not applicable. Insoluble in water.
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Kinematic viscosity</b>	approx 4000 mm <sup>2</sup> /s	@ 20 °C
<b>Dynamic viscosity</b>	approx 3500 mPa s	@ 23 °C
<b>Water solubility</b>	Insoluble in water.	
<b>Solubility(ies)</b>	No data available	
<b>Partition coefficient</b>	No data available	
<b>Vapour pressure</b>	<110 kPa	kPa
<b>Relative density</b>	0.84	
<b>Bulk Density</b>	No data available	
<b>Density</b>	No data available	
<b>Relative vapour density</b>	No data available	
<b>Particle characteristics</b>		
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	No information available	

### 9.2. Other information

<b>Solid content (%)</b>	approx 23	
<b>Softening point</b>	Not relevant	
<b>VOC content</b>	640 g/L	Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

9.2.1. Information with regards to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics  
No information available

## SECTION 10: Stability and reactivity

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## 10.1. Reactivity

Reactivity No information available.

## 10.2. Chemical stability

Stability Stable under normal conditions.

### Explosion data

Sensitivity to mechanical impact None.

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

#### Acute toxicity

#### Numerical measures of toxicity

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

ATEmix (oral)	>5000 mg/kg
ATEmix (dermal)	31,539.50 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	65.00 mg/l
ATEmix (inhalation-vapour)	174.30 mg/l

## Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone	=5800 mg/kg (Rattus) 3000 mg/Kg (mouse)	>15800 mg/Kg (Rattus)	=79 mg/l(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)
Methyl ethyl ketone	=2483 mg/kg (Rattus)	= 5000 mg/kg (Oryctolagus cuniculus)	=11700 ppm (Rattus) 4 h
Ethyl acetate	=5620 mg/kg (Rattus)	> 18000 mg/kg (Oryctolagus cuniculus) > 20 mL/kg (Oryctolagus cuniculus)	LC0 29.3 mg/l air
Hydrocarbons, C6, isoalkanes, <5% n-hexane	>16750 mg/Kg (Rattus)	>3350 mg/Kg (Oryctolagus cuniculus) OECD 402	259354 mg/m <sup>3</sup> (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
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.

Acetone (67-64-1)

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

Methyl ethyl ketone (78-93-3)

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

**Respiratory or skin sensitisation** May cause an allergic skin reaction.

Acetone (67-64-1)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig	Dermal	Not a skin sensitiser

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Methyl ethyl ketone (78-93-3)

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

Ethyl acetate (141-78-6)

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

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

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

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

Component Information  
Ethyl acetate (141-78-6)

Method	Species	Results
OECD Test No. 474: Mammalian Erythrocyte Micronucleus Test	in vivo Hamster	Negative
OECD Test No. 471: Bacterial Reverse Mutation Test	in vitro Salmonella typhimurium	Negative
OECD Test No. 473: In vitro Mammalian Chromosome Aberration Test	in vitro Hamster Ovary	Negative

**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 exposure** Based 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

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

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## 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)
Acetone 67-64-1	-	LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss)	EC50 = 14500 mg/L 15 min	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static)		
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics RR-100219-3	ErL50 (72h) = 10-30 mg/L (Pseudokirchneriella subcapitata)	LL50 (96h) >13.4 mg/L (Oncorhynchus mykiss) OECD 203	-	EL50 (48h) = 3.0 mg/L (Daphnia magna)		
Methyl ethyl ketone 78-93-3	EC50=1972 mg/l (Pseudokirchneriella subcapitata)	LC50: 3130 - 3320mg/L (96h, Pimephales promelas)	EC50 = 3403 mg/L 30 min EC50 = 3426 mg/L 5 min	EC50 48 h > 308 mg/L (Daphnia magna)		
Ethyl acetate 141-78-6	EC50: =3300mg/L (48h, Desmodesmus subspicatus)	LC50: =484mg/L (96h, Oncorhynchus mykiss) LC50: 352 - 500mg/L (96h, Oncorhynchus mykiss) LC50: 220 - 250mg/L (96h, Pimephales promelas)	EC50 = 1180 mg/L 5 min EC50 = 1500 mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h	EC50: =560mg/L (48h, Daphnia magna)		
Hydrocarbons, C6, isoalkanes, <5% n-hexane RR-100242-2	EL50 (72h) = 13.6 mg/l (Pseudokirchneriella subcapitata)	LL50 (96h) = 18.27 mg/l (Oncorhynchus mykiss)	-	EL50 (48h)= 31.9 mg/l (Daphnia magna)		
Xylenes (o-, m-, p-isomers) 1330-20-7	-	LC50 96 h 2.6 mg/L (Oncorhynchus mykiss) (OECD 203)	EC50 = 0.0084 mg/L 24 h	EC50 48 h = 3.4 mg/L (Daphnia magna)		
Ethylbenzene 100-41-4	EC50 72 h 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h = 4.2 mg/L (Oncorhynchus mykiss semi-static)	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	EC50: 1.8 - 2.4mg/L (48h, Daphnia magna)		
Rosin 8050-09-7	EC50: =400mg/L (72h, Desmodesmus subspicatus)	LC50 (96h) >10mg/L (Danio rerio)	EC50 = 31.5 mg/L 30 min	EC50 48 h >100 mg/L (Daphnia magna)		
Xylene (reaction mass of ethylbenzene and xylene) --	EC50 (72hr) 2.2 mg/l (Selenastrum capricornutum)	LC50(96h) 2.6 mg/l (Oncorhynchus mykiss-OECD 203)	EC50 = 0.0084 mg/L 24 h	LC50(24h) 1 mg/l (Daphnia magna-OECD 202)		

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

Acetone (67-64-1)

Method	Exposure time	Value	Results
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OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	28 days	biodegradation	91 % Readily biodegradable
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Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (RR-100219-3)

Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	98%	Readily biodegradable

Methyl ethyl ketone (78-93-3)

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

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

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

## 12.3. Bioaccumulative potential

**Bioaccumulation**

### Component Information

Chemical name	Partition coefficient
Acetone	-0.24
Methyl ethyl ketone	0.3
Ethyl acetate	0.73
Hydrocarbons, C6, isoalkanes, <5% n-hexane	3.6
Xylenes (o-, m-, p- isomers)	3.15
Ethylbenzene	3.6
Rosin	7.7
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 assessment** The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Acetone	The substance is not PBT / vPvB
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	The substance is not PBT / vPvB
Methyl ethyl ketone	The substance is not PBT / vPvB
Ethyl acetate	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

## 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

<b>Waste from residues/unused products</b>	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
<b>European Waste Catalogue</b>	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
<b>Other information</b>	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	II
Description	UN1133, Adhesives, 3, II, (D/E), Environmentally Hazardous
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	640D
Classification code	F1
Tunnel restriction code	(D/E)
Limited quantity (LQ)	5 L
ADR Hazard Id (Kemmler Number)	33

### 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	II
Description	UN1133, Adhesives, 3, II, (-20°C c.c.), Marine pollutant
14.5 Marine pollutant	P
14.6 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)	3
14.4 Packing group	II
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, Authorisation, 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  $\geq 0.1\%$  (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

##### **REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors**

This product contains

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Chemical name	Reporting of suspicious transactions, disappearances and thefts	Restricted
Acetone - 67-64-1	X	

## National regulations

### 15.2. Chemical safety assessment

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
Sk*	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-Feb-2024

#### **Indication of changes**

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<b>Revision note</b>	Not applicable.
<b>Training Advice</b>	Provide adequate information, instruction, and training for operator
<b>Further information</b>	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 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**