

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008 This SDS is for generic information purposes and does not reflect required country specific information for OEL

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

1.1. Product identifier	
Product Name	BOSTIK CONTACT A3
Other means of identification	
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 sa	afety data sheet
Company Name Bostik Industries Limited Newtown, Swords Co. Dublin Ireland Tel: +353 (1) 8624900 Fax: +353 (1) 8402186	

E-mail address

SDS.box-EU@bostik.com

1.4. Emergency telephone number

Emergency Telephone

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

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 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

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
- 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, CO2, 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).

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No (EU	CAS No	Classification	Specific	M-Factor	M-Factor	REACH
	Index No).		according to	concentration limit		(long-ter	registration
			Regulation (EC) No.	(SCL)		m)	number
			1272/2008 [CLP]				
Acetone	200-662-2	67-64-1	Eye Irrit. 2 (H319)	-	-	-	01-2119471330-
10 - <20 %	(606-001-00-		(EUH066)				49-XXXX

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	8)		STOT SE 3 (H336)				
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 10 - <20 %	927-510-4	RR-100219-3	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411)	-	-	-	01-2119475515 33-xxxx
Methyl ethyl ketone 10 - <20 %	201-159-0 (606-002-00- 3)	78-93-3	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) (EUH066) STOT SE 3 (H336) Flam. Liq. 2 (H225)	-	-	-	01-2119457290 43-XXXX
Ethyl acetate 10 - <20 %	205-500-4 (607-022-00- 5)	141-78-6	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	-	-	-	01-2119475103 46-XXXX
Hydrocarbons, C6, isoalkanes, <5% n-hexane 5 - <10 %	931-254-9	RR-100242-2	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) 5 - <10 %	215-535-7 (601-022-00- 9)	1330-20-7	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)ph enol and phenol 5 - <10 %	-	28453-20-5	Skin Sens. 1 (H317)	-	-	-	[7]
Ethylbenzene 1 - <2.5 %	202-849-4 (601-023-00- 4)	100-41-4	STOT RE 2 (H373) Asp. Tox. 1 (H304) Acute Tox. 4 (H332) Flam. Liq. 2 (H225) Aquatic Chronic 3 (H412)	-	-	-	01-2119489370 35-XXXX
Rosin 0.1- <1 %	232-475-7 (650-015-00- 7)	8050-09-7	Skin Sens. 1 (H317)	-	-	-	01-2119480418 32-XXXX
Xylene (reaction mass of ethylbenzene and xylene) 0.1 - <0.5 %	905-588-0		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

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

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

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

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Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	EC No (EU Index No)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Acetone	200-662-2 (606-001-00-8)	67-64-1	5800	-	-	-	-
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	927-510-4	RR-100219-3	-	-	-	-	-
Methyl ethyl ketone	201-159-0 (606-002-00-3)	78-93-3	-	-	-	-	-
Ethyl acetate	205-500-4 (607-022-00-5)	141-78-6	-	-	-	14.4131	-
Hydrocarbons, C6, isoalkanes, <5% n-hexane	931-254-9	RR-100242-2	-	-	-	-	-
Xylenes (o-, m-, p- isomers)	215-535-7 (601-022-00-9)	1330-20-7	2500	1990	4.8	-	-
Ethylbenzene	202-849-4 (601-023-00-4)	100-41-4	3500	15400	4.99	17.6	-
Rosin	232-475-7 (650-015-00-7)	8050-09-7	-	-	-	-	-
Xylene (reaction mass of ethylbenzene and xylene)	905-588-0		3523	1999	4	-	-

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.
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.
Skin contact	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.

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Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.						
Self-protection of the first aider	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							
Symptoms	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.						
Effects of Exposure	No information available.						
4.3. Indication of any immediate m	edical attention and special treatment needed						
Note to doctors	May cause sensitisation in susceptible persons. Treat symptomatically.						
SECTION 5: Firefighting mea	asures						
5.1. Extinguishing media							
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.						
Unsuitable extinguishing media No information available.							
5.2. Special hazards arising from the	he 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).						
5.3. Advice for firefighters							
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.						
SECTION 6: Accidental relea	ase measures						
6.1. Personal precautions, protecti	ve equipment and emergency procedures						
Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as resection 8 for more information. Avoid contact with skin, eyes or clothing. En adequate ventilation. Keep people away from and upwind of spill/leak. ELIN ignition sources (no smoking, flares, sparks or flames in immediate area). P to flashback. Take precautionary measures against static discharges. All eq when handling the product must be grounded. Do not touch or walk through material.							
Other information	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.						
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 cont	ainment and cleaning up				
Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. <i>A</i> 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 Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from **Storage Conditions**

Storage ConditionsKeep 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
temperatureKeep at temperatures between 5 and 25 °C.7.3. Specific end use(s)Specific use(s)Adhesives.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

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Exposure Limits

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical name	European Union
Acetone	TWA: 500 ppm
67-64-1	TWA: 1210 mg/m ³
Methyl ethyl ketone	TWA: 200 ppm
78-93-3	TWA: 600 mg/m ³
	STEL: 300 ppm
	STEL: 900 mg/m ³
Ethyl acetate	TWA: 734 mg/m ³
141-78-6	TWA: 200 ppm
	STEL: 1468 mg/m ³
	STEL: 400 ppm
Xylenes (o-, m-, p- isomers)	TWA: 50 ppm
1330-20-7	TWA: 221 mg/m ³
	STEL: 100 ppm
	STEL: 442 mg/m ³
	*
Ethylbenzene	TWA: 100 ppm
100-41-4	TWA: 442 mg/m ³
	STEL: 200 ppm
	STEL: 884 mg/m ³
Xylene (reaction mass of ethylbenzene and xylene)	TWA: 50 ppm
	TWA: 221 mg/m ³
	STEL: 100 ppm
	STEL: 442 mg/m ³
	S*
	Ç.

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DN	EL)		
Acetone (67-64-1)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects worker	Dermal	186 mg/kg bw/d	
Short term Local health effects worker	Inhalation	2420 mg/m³	
Long term Systemic health effects worker	Inhalation	1210 mg/m³	

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

Methyl ethyl ketone (78-93-3)			
Туре		Derived No Effect Level (DNEL)	Safety factor
worker	Dermal	1161 mg/kg bw/d	

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Long term Systemic health effects			
worker	Inhalation	600 mg/m³	
Long term		-	
Systemic health effects			

Ethyl acetate (141-78-6)	Ethyl acetate (141-78-6)			
Туре	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/m³		
worker Long term Local health effects	Inhalation	734 mg/m³		
worker Short term Local health effects	Inhalation	1468 mg/m³		
worker Long term Systemic health effects	Inhalation	734 mg/m³		

Xylenes (o-, m-, p- isomers) (133	Xylenes (o-, m-, p- isomers) (1330-20-7)				
Туре	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)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Local health effects	Inhalation	10 mg/m³	
worker Long term Systemic health effects	Dermal	2131 mg/kg bw/d	

Xylene (reaction mass of ethylbenzene 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	Inhalation	442 mg/m ³	

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Short term Local health effects			
worker	Dermal	212 mg/kg bw/d	
Long term Systemic health effects			

Derived No Effect Level (DN	EL)		
Acetone (67-64-1)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	200 mg/m³	
Consumer Long term Systemic health effects	Dermal	62 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	62 mg/kg bw/d	

Hydrocarbons, C7, n-alkane	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (RR-100219-3)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
Consumer Long term Systemic health effects	Inhalation	447 mg/m³			
Consumer Long term Systemic health effects	Dermal	149 mg/kg bw/d			
Consumer Long term Systemic health effects	Oral	149 mg/kg bw/d			

Methyl ethyl ketone (78-93-3)				
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/m ³		
Consumer Local health effects Systemic health effects	Oral	31 mg/kg bw/d		

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	Inhalation	367 mg/m³	

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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	

Xylene (reaction mass of ethylbenzene and xylene) (
Туре	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 Local health effects	Inhalation	65.3 mg/m³	
Consumer Short term Local health effects	Inhalation	260 mg/m³	
Consumer Long term Systemic health effects	Dermal	125 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	12.5 mg/kg bw/d	

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

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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.
Hand protection	Wear protective gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature.
Skin and body protection	Antistatic footwear. Wear fire/flame resistant/retardant clothing. Suitable protective clothing.
Respiratory protection	In case of inadequate ventilation wear respiratory protection. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
Recommended filter type:	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 Physical state Liquid Appearance Viscous Liquid Colour Light yellow Odour Solvent. Values Remarks • Method Property Melting point / freezing point No data available Initial boiling point and boiling 56 °C range Flammability No data available Flammable liquid Flammability Limit in Air

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Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Flash point	-20 °C	
Autoignition temperature	No data available	
Decomposition temperature		
pH	No data available	Not applicable. Insoluble in water.
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	approx 4000 mm²/s	@ 20 °C
Dynamic viscosity	approx 3500 mPa s	@ 23 °C
Water solubility	Insoluble in water.	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Vapour pressure	<110 kPa	kPa
Relative density	0.84	
Bulk Density	No data available	
Density	No data available	
Relative vapour density	No data available	
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
<u>9.2. Other information</u> Solid content (%) Softening point VOC content	approx 23 Not relevant 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

No information available.

10.2. Chemical stability

Stability

Reactivity

Stable under normal conditions.

Explosion data

Sensitivity to mechanicalNone.impactSensitivity to static dischargeYes.

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

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

10.6. Hazardous decomposition products

Hazardous decomposition None under normal use conditions. Stable under recommended storage conditions. products

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

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,	>16750 mg/Kg (Rattus)	>3350 mg/Kg (Oryctolagus	259354 mg/m ³ (vapour) (rat

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<5% n-hexane		cuniculus) OECD 402	OECD 403)
Xylenes (o-, m-, p- isomers)	=3500 mg/kg (Rattus)	> 1700 mg/kg (Oryctolagus cuniculus) > 4350 mg/kg	= 11 mg/L (ATE)
		(Oryctolagus cuniculus)	
Ethylbenzene	=3500 mg/kg (Rattus)	= 15400 mg/kg (Oryctolagus	=17.6 mg/L (Rattus) 4 h
		cuniculus)	
Rosin	>2000 mg/Kg (Rattus)	> 2500 mg/kg (Oryctolagus	=1.5 mg/L (Rattus) 4 h
		cuniculus)	
Xylene (reaction mass of	=3500 mg/kg (Rattus)	>10000 mg/kg (Oryctolagus	=>47635 mg/L (Rattus) 4 h =
ethylbenzene and xylene)		cuniculus)	>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:	Rabbit	еуе			irritant
Acute Eye					
Irritation/Corrosion					

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					

Respiratory or skin sensitisation May cause an allergic skin reaction.

Acetone (67-64-1)

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

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

Ethyl acetate (141-78-6)

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			

Germ cell mutagenicity

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

Method Species Results	Ethyl acetate (141-78-6)			
	Method	Species	Results	

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OECD Test No. 474: Mammalian Ery Micronucleus Test	ythrocyte	in vivo Hamster	Negative		
OECD Test No. 471: Bacterial Reven	rse	in vitro Salmonella typhimurium	Negative		
Mutation Test					
OECD Test No. 473: In vitro Mamma Chromosome Aberration Test	alian	in vitro Hamster Ovary	Negative		
Chiomosome Abenation Test					
Carcinogenicity	Based on	available data, the classification crite	eria are not met.		
Reproductive toxicity	Based on	available data, the classification crite	eria 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 hazard	ls				
11.2.1. Endocrine disrupting prop	oerties				
Endocrine disrupting properties	No inform	nation available.			
11.2.2. Other information					
Other adverse effects	erse effects No information available.				
SECTION 12: Ecological information					

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic	Fish	Toxicity to	Crustacea	M-Factor	M-Factor
	plants		microorganisms			(long-term)
Acetone	-	LC5096h 4.74	EC50 = 14500	EC50 48 h		
67-64-1		- 6.33 mL/L	mg/L 15 min	10294 - 17704		
		(Oncorhynchus		mg/L (Daphnia		
		mykiss)		magna Static)		
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	(Oncorhynchus		(Daphnia		
RR-100219-3	iella subcapitata)	mykiss)		magna)		
		OECD 203				
Methyl ethyl ketone	EC50=1972 mg/l	LC50: 3130 -	EC50 = 3403	EC50 48 h > 308		
78-93-3	(Pseudokirchner	3320mg/L (96h,	mg/L 30 min	mg/L (Daphnia		
	iella subcapitata)	Pimephales	EC50 = 3426	magna)		
		promelas)	mg/L 5 min			
Ethyl acetate	EC50:	LC50: =484mg/L	EC50 = 1180	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			

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		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)			
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	(Oncorhynchus		(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	EC5072h 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		>10mg/L (Danio	mg/L 30 min	>100 mg/L	
	Desmodesmus	rerio)		(Daphnia magna	
	subspicatus))	
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

Persistence and degradability No information available.

Acetone (67-64-1)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready	28 days	biodegradation	91 % Readily biodegradable
Biodegradability: CO2 Evolution Test			
(TG 301 B)			

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

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

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)			

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

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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 soilNo 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.

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.

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Revision date 01-Feb-2024 Revision Number 6

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 14.2 UN proper shipping name 14.3 Transport hazard class(es) Labels 14.4 Packing group Description 14.5 Environmental hazards 14.6 Special precautions for user Special Provisions Classification code Tunnel restriction code Limited quantity (LQ) ADR Hazard Id (Kemmler Number) 	UN1133 Adhesives 3 3 II UN1133, Adhesives, 3, II, (D/E), Environmentally Hazardous Yes 640D F1 (D/E) 5 L 33
IMDG14.1UN number or ID number14.2UN proper shipping name14.3Transport hazard class(es)14.4Packing groupDescription14.5Marine pollutant14.6Special precautions for userSpecial ProvisionsLimited Quantity (LQ)EmS-No.14.714.7Maritime transport in bulkaccording to IMO instrumentsTransport in bulk according to	UN1133 Adhesives 3 II UN1133, Adhesives, 3, II, (-20°C c.c.), Marine pollutant P None 5 L F-E, S-D Annex II of MARPOL and the IBC Code Not applicable
Air transport (ICAO-TI / IATA-DGR 14.1 UN number or ID number 14.2 UN proper shipping name 14.3 Transport hazard class(es) 14.4 Packing group Description 14.5 Environmental hazards 14.6 Special precautions for user Special Provisions Limited quantity (LQ) ERG Code	UN1133 Adhesives 3 II UN1133, Adhesives, 3, II Yes

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.

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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 >=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

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

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Acetone 67-64-1	RG 84
Methyl ethyl ketone 78-93-3	RG 84
Ethyl acetate 141-78-6	RG 84
Xylenes (o-, m-, p- isomers)	RG 4bis,RG 84

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1330-20-7	
Ethylbenzene 100-41-4	RG 84
Rosin 8050-09-7	RG 65,RG 66
Xylene (reaction mass of ethylbenzene and xylene)	RG 4bis,RG 84

Germany____

Ordinance on Industrial Safety and Health - Germany - BetrSichV

Flammable liquid (R11), EEC: refer to Annex III No. 1 (fire and explosion hazards) and § 7 paragraph 4

Water hazard class (WGK)	obviously hazardous to water (WGK 2)

TRGS - 510 Storage Class Storage Class 3 : Flammable liquids

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Chemical name	Netherlands - List of Carcinogens
Xylenes (o-, m-, p- isomers)	Development (Category 2)
1330-20-7	
Xylene (reaction mass of ethylbenzene and xylene)	Development (Category 2)

<u>Sweden</u>

Occupational exposure limits AFS 2018:1

DenmarkRegistration number(s)(P-no.)385896MAL-Code3-3AT-Guide C.0.1 August 2007: Limit values for substances and materials

Norway Registration number(s) (PRN-no.) 35912

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

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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

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances

vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT RE: Specific target organ toxicity - Repeated exposure

STOT SE: Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

LOW: List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm)

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

IATA: International Air Transport Association

ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

Legend SECTION 8: Exposure controls/personal protection

TWĂ	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
AGW	Occupational exposure limit value	BGW	Biological limit value
Ceiling	Maximum limit value	Sk*	Skin designation

Classification procedure		
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used	
Acute oral toxicity	Calculation method	
Acute dermal toxicity	Calculation method	
Acute inhalation toxicity - gas	Calculation method	
Acute inhalation toxicity - Vapour	Calculation method	
Acute inhalation toxicity - dust/mist	Calculation method	
Skin corrosion/irritation	Calculation method	
Serious eye damage/eye irritation	Calculation method	
Respiratory sensitisation	Calculation method	
Skin sensitisation	Calculation method	
mutagenicity	Calculation method	
Carcinogenicity	Calculation method	
Reproductive toxicity	Calculation method	
STOT - single exposure	Calculation method	
STOT - repeated exposure	Calculation method	
Acute aquatic toxicity	Calculation method	
Chronic aquatic toxicity	Calculation method	
Aspiration hazard	Calculation method	
Ozone	Calculation method	

Key literature references and sources for data used to compile the SDS

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC) European Chemicals Agency (ECHA) (ECHA_API)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

NIOSH (National Institute for Occupational Safety and Health)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

Prepared By

Product Safety & Regulatory Affairs

Revision date	01-Feb-2024
Training Advice	Provide adequate information, instruction, and training for operator
Further information	No information available

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Regulation (EC) No. 1272/2008 and Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878

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