



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)

BOSTIK SAF30 15
Supersedes Date: 02-Jan-2023

Revision date 04-Mar-2024
Revision Number 4

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

1.1. Product identifier

Product Name BOSTIK SAF30 15

Pure substance/mixture Mixture

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

Recommended use Adhesives Resin

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 Fds.AECPOLYMERS@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 1 - (H318)
Skin sensitisation	Category 1 - (H317)
Specific target organ toxicity — single exposure	Category 3 - (H335)
Category 3 Respiratory irritation	
Flammable liquids	Category 2 - (H225)

2.2. Label elements

Contains Methyl methacrylate; Dodecyl methacrylate; Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW; 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate

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Signal word
Danger

Hazard statements

H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.
H225 - Highly flammable liquid and vapour.

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

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor
P370 + P378 - In case of fire: Use dry chemical, CO₂, water spray or alcohol-resistant foam to extinguish

Additional information

This product is part of a kit. Please also refer to the SDS for the other component(s) of the kit.

2.3. Other hazards

Polymerises with evolution of heat. 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
Methyl methacrylate	201-297-1 (607-035-00-6)	80-62-6	40 - <80	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225)	STOT SE 3 :: C ₂ ≥10%	01-2119452498-28-xxxx
Poly(oxy-1,4-butanediyl), alpha-hydro-omega-hydr	-	82339-26-2	5 - <10	Skin Irrit. 2 (H315)	-	[7]

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oxy-, polymer with 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane, 2-hydroxyethyl methacrylate-blocked				Eye Irrit. 2 (H319)		
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate	258-053-2	52628-03-2	1 - <2.5	Skin Corr. 1C (H314) Eye Dam. 1 (H318) Skin Sens. 1B (H317)	-	01-2119980575-25-xxxx
Dodecyl methacrylate	205-570-6 (607-247-00-9)	142-90-5	1 - <2.5	STOT SE 3 (H335)	STOT SE 3 :: C>=10%	01-2119489778-11-XXXX
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	500-033-5	25068-38-6	1 - <2.5	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	Eye Irrit. 2 :: C>=5% Skin Irrit. 2 :: C>=5%	01-2119456619-26-xxxx
Methacrylic acid	201-204-4 (607-088-00-5)	79-41-4	1 - <2.5	Acute Tox. 4 (H302) Acute Tox. 3 (H311) Skin Corr. 1A (H314) Acute Tox. 4 (H332) STOT SE 3 (H335)	STOT SE 3 :: C>=1% Skin Irrit. 2 :: 1%<=C<10% Skin Corr. 1A :: C>=10% Eye Irrit. 2:: 1%<=C<3% Eye Dam. 1 :: C>= 3% Acute Tox. 4 :: 10%<=C<25%	01-2119463884-26-xxxx
zinc bis(2-methylacrylate)	236-144-8	13189-00-9	0.1- <1	Eye Dam. 1 (H318) Skin Sens. 1 (H317) Acute Tox. 4 (H302) Aquatic Acute 1 (H400)	-	01-2119976363-30-xxxx
1,3-bis[12-hydroxy-octadecamide-N-methylene]benzene	423-300-7 (616-198-00-2)	911674-82-3	0.1- <1	Skin Sens. 1 (H317) Aquatic Chronic 4 (H413)	-	01-0000016979-49-xxxx
1,1'-(p-tolylimino)dipropylol	254-075-1	38668-48-3	0.1- <1	Acute Tox. 2 (H300) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	-	01-2119980937-17-xxxx
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	309-629-8	100545-48-0	0.1 - <0.5	Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)	-	01-2119979085-27-XXXX
Acrylated polydimethylsiloxane	603-070-6	125455-52-9	0.1 - <0.5	Skin Sens. 1B (H317)	-	[7]

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N,N-dimethyl-p-toluidine	202-805-4 (612-056-00-9)	99-97-8	0.1 - <0.3	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT RE 2 (H373) Aquatic Chronic 3 (H412)	-	-
Propylene glycol monomethyl ether	203-539-1 (603-064-00-3)	107-98-2	0.1 - <0.3	STOT SE 3 (H336) Flam. Liq. 3 (H226)	-	01-2119457435-35-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

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
Methyl methacrylate - 80-62-6	D
Methacrylic acid - 79-41-4	D
N,N-dimethyl-p-toluidine - 99-97-8	C

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.
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. Get immediate medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.
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.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

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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 Burning sensation. Itching. Rashes. Hives.

Effects of Exposure No information available.

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.

Unsuitable extinguishing media No information available.

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). Hydrocarbons. Hydrogen chloride. Nitrogen oxides (NO_x). Hydrogen cyanide. Thermal decomposition can lead to release of irritating and toxic gases and vapours.

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 release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions 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.

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 containment and cleaning up

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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 Please also refer to the SDS for the other component(s) of the kit. This product is part of a kit. 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. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment. 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. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

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. Store locked up. Keep out of the reach of children.

Recommended storage temperature Keep at temperatures between 5 and 25 °C.

7.3. Specific end use(s)

Specific use(s)
Resin. 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

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Exposure Limits

Chemical name	European Union	United Kingdom
Methyl methacrylate 80-62-6	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm TWA: 208 mg/m ³ STEL: 100 ppm STEL: 416 mg/m ³
Silica, amorphous 7631-86-9	TWA: 0.1 mg/m ³	TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ STEL: 18 mg/m ³ STEL: 7.2 mg/m ³
Talc 14807-96-6	-	TWA: 1 mg/m ³ STEL: 3 mg/m ³
Methacrylic acid 79-41-4	-	TWA: 20 ppm TWA: 72 mg/m ³ STEL: 40 ppm STEL: 143 mg/m ³
Propylene glycol monomethyl ether 107-98-2	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ *	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ Sk*

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)			
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate (52628-03-2)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	7.04 mg/m ³	
worker Long term Systemic health effects	Dermal	1 mg/kg bw/d	

Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW (25068-38-6)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Short term Systemic health effects	Dermal	8.33 mg/kg bw/d	
worker Long term Systemic health effects	Dermal	8.33 mg/kg bw/d	
worker Short term Systemic health effects	Inhalation	12.25 mg/kg bw/d	

1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	2.47 mg/m ³	
worker Long term Systemic health effects	Dermal	0.7 mg/kg bw/d	

Propylene glycol monomethyl ether (107-98-2)			
Type	Exposure route	Derived No Effect Level	Safety factor

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		(DNEL)	
worker Short term Systemic health effects	Inhalation	553.5 mg/m ³	
worker Short term Local health effects	Inhalation	553.5 mg/m ³	
worker Long term Systemic health effects	Dermal	183 mg/kg bw/d	
worker Long term Systemic health effects	Inhalation	369 mg/m ³	

Derived No Effect Level (DNEL)

2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate (52628-03-2)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	1.74 mg/m ³	
Consumer Long term Systemic health effects	Dermal	0.5 mg/kg bw/d	

Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW (25068-38-6)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Short term Systemic health effects	Dermal	3.571 mg/kg bw/d	
Consumer Short term Systemic health effects	Oral	0.75 mg/kg bw/d	
Consumer Long term Systemic health effects	Dermal	3.571 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	0.75 mg/kg bw/d	

1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Oral	0.25 mg/kg bw/d	

Propylene glycol monomethyl ether (107-98-2)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Dermal	78 mg/kg bw/d	
Consumer Long term Systemic health effects	Inhalation	43.9 mg/m ³	
Consumer Long term	Oral	33 mg/kg bw/d	

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Systemic health effects			
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Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate (52628-03-2)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.068 mg/l
Marine water	0.007 mg/l
Sewage treatment plant	0.546 mg/l
Freshwater sediment	0.481 mg/kg dry weight
Marine sediment	0.048 mg/kg dry weight
Soil	0.056 mg/kg dry weight

Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW (25068-38-6)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.006 mg/l
Marine water	0.0006 mg/l
Freshwater sediment	0.996 mg/l
Marine sediment	0.0996 mg/l
Soil	0.196 mg/l

1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.017 mg/l
Marine water	0.002 mg/l
Sewage treatment plant	199.5 mg/l
Freshwater sediment	0.163 mg/kg dry weight
Marine sediment	0.016 mg/kg dry weight
Soil	0.023 mg/kg dry weight

Propylene glycol monomethyl ether (107-98-2)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	10 mg/l
Marine water	1 mg/l
Sewage treatment plant	100 mg/l
Freshwater sediment	52.3 mg/kg dry weight
Marine sediment	5.2 mg/kg dry weight
Soil	4.59 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

Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

Hand protection

Recommended Use: Nitrile rubber. Polyethylene. Polypropylene. Glove thickness > 0.4 mm. Ensure that the 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 must conform to standard EN 374

Skin and body protection

Wear suitable protective clothing. Wear fire/flame resistant/retardant clothing. Antistatic footwear.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN 140 with Type A/P2 filter or better.

Recommended filter type:

Organic gases and vapours filter conforming to EN 14387.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Thixotropic Viscous
Colour	Cream
Odour	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	= 100 °C	
Flammability	No data available	Flammable liquid
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	= 10 °C	
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known.
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	100000 - 250000 mPa s	
Water solubility	Insoluble in water.	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk Density	No data available	
Density	1.03 g/cm ³	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

Solid content (%)	No information available
VOC content	No data available

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

10.1. Reactivity

Reactivity	No information available.
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10.2. Chemical stability

Stability	Stable under normal conditions.
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Explosion data

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Sensitivity to mechanical impact None.
Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous polymerisation Hazardous polymerisation may occur upon depletion of inhibitor.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials Rust. 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.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.
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 Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

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

ATEmix (oral)	5,570.70 mg/kg
ATEmix (dermal)	15,708.90 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	163.20 mg/l
ATEmix (inhalation-vapour)	>20 mg/l

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Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl methacrylate	=7872 mg/kg (Rattus)	5000 - 7500 mg/kg (Oryctolagus cuniculus) > 5 g/kg (Oryctolagus cuniculus)	=7093 ppm (Rattus) 4 h
Dodecyl methacrylate	LD50 >5000 mg/Kg Rat (OECD 401)	>3000 mg/Kg (Oryctolagus cuniculus)	-
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	LD50 (Rattus) > 2000 mg/kg OECD 420	>2000 mg/Kg (Rattus)	-
Methacrylic acid	LD50 = 1320 mg/kg (Rattus)	LD50 = 500 - 1000 mg/kg (Oryctolagus cuniculus)	=7.1 mg/L (Rattus) 4 h
zinc bis(2-methylacrylate)	LD50 =500 mg/Kg (Rattus)	-	> 5.32 mg/L (Rat) 4 h
1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene	LD50 >2000 mg/Kg (Rattus)	LD50 >2000 mg/Kg (Oryctolagus cuniculus)	LC50 Inhalation 4h >5g/m ³ (Rattus)
1,1'-(p-tolylimino)dipropan-2-ol	LD50 >25<200 mg/kg bw (Rattus)(OECD guideline 423)	LD50 >2000 mg/kg (Rattus) OECD 402	-
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	LD50 >2000 mg/kg (Rattus)	-	LC50 =5.05 mg/kg (Rattus)
Acrylated polydimethylsiloxane	LD50 >2000 mg/Kg (Rattus)	-	-
N,N-dimethyl-p-toluidine	LD50: 1650 mg/kg (Rat) OECD 401	> 2000 mg/kg (Rabbit)	= 1400 mg/m ³ (Rat) 4 h
Propylene glycol monomethyl ether	>3500 mg/Kg (Rattus)	>2000 mg/Kg (Rattus)	>7559 ppm (Rattus) 6 h

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

Skin corrosion/irritation	May cause skin irritation. Classification based on data available for ingredients. Causes skin irritation.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes burns. Causes serious eye damage.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
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 respiratory irritation.
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

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11.2.1. Endocrine disrupting properties

Endocrine disrupting properties

11.2.2. Other information

Other adverse effects No information available.

Note: PC-ADH-8 Multi-component adhesives and sealants Please also refer to the SDS for the other component(s) of the kit This product is part of a kit

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Methyl methacrylate 80-62-6	EC50: =170mg/L (96h, Pseudokirchneriella subcapitata)	LC50 96 h > 79 mg/L (Oncorhynchus mykiss static) Lepomis macrochirus 96h =191-283 mg/l	-	EC50: =69mg/L (48h, Daphnia magna)		
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate 52628-03-2	-	LC50: >112mg/L (96h, Oncorhynchus mykiss)	-	-		
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW 25068-38-6	EC50 (72h) = 9.4 mg/L (Scenedesmus capricornutum) EPA-660/3-75-009	1.2 mg/l 96Hr (Oncorhynchus mykiss)	-	2.7 mg/l 48hr Daphia Magna		
Methacrylic acid 79-41-4	-	LC50 (96h) = 833 mg/L (Scophthalmus maximus)	-	EC50 (48h) =210 mg/L Daphnia magna		
zinc bis(2-methylacrylate) 13189-00-9	0.53-0.56 mg/L (Pseudokirchneriella subcapitata)	-	-	-		
1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene 911674-82-3	EC50 (96hr) >100 mg/L Algae	LC50 96h >100 mg/L	-	EC50 (48h) >0.64 mg/L (Daphnia magna)		
1,1'-(p-tolylimino)dipropyl-2-ol 38668-48-3	EC50 (72h) = 245 mg/L (Desmodesmus subspicatus) OECD 201	LC50 (96h) = 17 mg/L (Danio rerio)	-	EC50 (48h) = 28.8 mg/L (Daphnia magna)		
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine 100545-48-0	EL50 (72h) >100 mg/L Algae (Pseudokirchneriella subcapitata)	LL50 (96h) >10mg/L (Onchohynchus mykiss)	-	EL50 (48h) >10mg/L Daphnia (Daphnia magna)		
N,N-dimethyl-p-toluidine 99-97-8	-	LC50: 42 - 50.5mg/L (96h,	-	-		

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		Pimephales promelas)				
Propylene glycol monomethyl ether 107-98-2	-	LC50: 4600 - 10000mg/L (96h, Leuciscus idus) LC50: =20.8g/L (96h, Pimephales promelas)	-	EC50: =23300mg/L (48h, Daphnia magna)		

12.2. Persistence and degradability

Persistence and degradability No information available.

1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	5 days	39%	

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Methyl methacrylate	1.38
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate	2.72
Dodecyl methacrylate	6.68
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	3.26
Methacrylic acid	0.93
zinc bis(2-methylacrylate)	1.03
1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene	6.5
1,1'-(p-tolylimino)dipropan-2-ol	2.1
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	5.86
N,N-dimethyl-p-toluidine	1.729
Propylene glycol monomethyl ether	1

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
Methyl methacrylate	The substance is not PBT / vPvB
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate	The substance is not PBT / vPvB
Dodecyl methacrylate	The substance is not PBT / vPvB
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	The substance is not PBT / vPvB
Methacrylic acid	The substance is not PBT / vPvB
zinc bis(2-methylacrylate)	The substance is not PBT / vPvB
1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene	The substance is not PBT / vPvB
1,1'-(p-tolylimino)dipropan-2-ol	The substance is not PBT / vPvB
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	The substance is not PBT / vPvB
N,N-dimethyl-p-toluidine	The substance is not PBT / vPvB
Propylene glycol monomethyl ether	The substance is not PBT / vPvB

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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.
Waste codes / waste designations according to EWC	Waste codes should be assigned by the user based on the application for which the product was used.
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	No information available.

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)
14.5 Environmental hazards	Not applicable
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, (10°C c.c.)
14.5 Marine pollutant	NP
14.6 Special precautions for user	

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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

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 Not applicable
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

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

Not applicable

Persistent Organic Pollutants

Not applicable

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

Not applicable

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

H225 - Highly flammable liquid and vapour
H226 - Flammable liquid and vapour
H300 - Fatal if swallowed
H301 - Toxic if swallowed
H302 - Harmful if swallowed
H311 - Toxic in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
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
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects
H413 - May cause long lasting harmful effects to aquatic life

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

Note D: Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3.

However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'

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

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Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs
Revision date 04-Mar-2024

Indication of changes

Revision note SDS sections updated: 3.
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 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