

EVO-STIK 528
 Supersedes Date: 09-Apr-2018

Revision Date 05-Jul-2018
 Revision Number 1.04

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	+44 (1785) 272650
Ireland	+353 (1) 8624900 (Monday- Friday 9am-5pm)

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)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Chronic aquatic toxicity	Category 3 - (H412)
Flammable liquids	Category 2 - (H225)

2.2. Label Elements

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

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



Signal Word

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DANGER

Hazard statements

H319 - Causes serious eye irritation
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H412 - Harmful to aquatic life with long lasting effects
H225 - Highly flammable liquid and vapour

Special provisions concerning the labelling of certain mixtures

EUH208 - Contains rosin & methylols. May produce an allergic reaction

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
P280 - Wear protective gloves and eye/face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
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

General Hazards

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

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical Name	EC No.	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Acetone	200-662-2	67-64-1	10 - <20	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)		01-2119471330-49 -XXXX
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	927-510-4	--	10 - <20	STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam. Liq. 2 (H225)		01-2119475515-33 -XXXX
Methyl ethyl ketone	201-159-0	78-93-3	10 - <20	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)		01-2119457290-43 -XXXX
Ethyl acetate	205-500-4	141-78-6	10 - <20	Eye Irrit. 2 (H319) STOT SE 3 (H336)		01-2119475103-46 -XXXX

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				Flam. Liq. 2 (H225) (EUH066)		
Hydrocarbons, C6, isoalkanes, <5% n-hexane	931-254-9	--	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	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
Ethylbenzene	202-849-4	100-41-4	1- <2.5	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	232-475-7	8050-09-7	0.1 - <1	Skin Sens. 1 (H317)		01-2119480418-32 -XXXX
Methylols	-	UNKNOWN	0.1 - <1	Skin Sens. 1 (H317)		No data available

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

EC# 927-510-4 Related CAS no 64742-49-0
EC# 931-254-9 Related CAS no 64742-49-0

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)

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice	Immediate medical attention is required. In case of accident or being unwell, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a doctor.
Inhalation	Remove to fresh air. If symptoms persist, call a doctor. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapours.
Skin Contact	Wash off immediately with plenty of water. Wash contaminated clothing before reuse. If skin irritation persists, call a doctor. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a doctor. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

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Ingestion	Immediate medical attention is not required. Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a doctor.
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Self-Protection of the First Aider	Remove all sources of ignition. Use personal protective equipment as required.
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4.2. Most important symptoms and effects, both acute and delayed

Symptoms	None known.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically.
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Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use CO₂, dry chemical, or foam. Move containers from fire area if you can do it without risk.

Small Fire	Dry chemical or CO ₂ .
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Large Fire	When a large quantity of this material is involved in a major fire, consider an initial evacuation distance of 300 metres (1000 feet) in all directions. Move containers from fire area if you can do it without risk.
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Unsuitable Extinguishing Media

Use water spray or fog; do not use straight streams Do not use a solid water stream as it may scatter and spread fire

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Extremely flammable.

5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Water spray may reduce vapour; but may not prevent ignition in closed spaces.

For emergency responders

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
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Methods for cleaning up	Pick up and transfer to properly labelled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up
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with inert absorbent material.

6.4. Reference to other sections

Reference to other sections See Section 12: ECOLOGICAL INFORMATION
Section 7: HANDLING AND STORAGE
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapours/spray.

General Hygiene Considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep tightly closed in a dry and cool place. Keep in properly labelled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep containers tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

Specific Use(s)

Adhesives.

Other Information

Recommendation(s). Observe technical data sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	Ireland	United Kingdom
Acetone 67-64-1	TWA: 500 ppm TWA: 1210 mg/m ³	TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1500 ppm STEL: 3630 mg/m ³	STEL: 1500 ppm STEL: 3620 mg/m ³ TWA: 500 ppm TWA: 1210 mg/m ³
Methyl ethyl ketone 78-93-3	TWA: 200 ppm TWA: 600 mg/m ³ STEL: 300 ppm STEL: 900 mg/m ³	TWA: 200 ppm TWA: 600 mg/m ³ STEL: 300 ppm STEL: 900 mg/m ³ Skin nota.	STEL: 300 ppm STEL: 899 mg/m ³ TWA: 200 ppm TWA: 600 mg/m ³ Skin
Ethyl acetate 141-78-6	-	TWA: 200 ppm STEL: 400 ppm	STEL: 400 ppm TWA: 200 ppm
Xylenes (o-, m-, p- isomers) 1330-20-7	TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ S*	TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ Skin nota.	STEL: 100 ppm STEL: 441 mg/m ³ TWA: 50 ppm TWA: 220 mg/m ³ Skin
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ S*	TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ Skin nota.	STEL: 125 ppm STEL: 552 mg/m ³ TWA: 100 ppm TWA: 441 mg/m ³ Skin
Rosin 8050-09-7	-	TWA: 0.05 mg/m ³ STEL: 0.15 mg/m ³ Sensitiser	TWA: 0.05 mg/m ³ fume

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Magnesium oxide (MgO) 1309-48-4	-	TWA: 4 mg/m ³ TWA: 5 mg/m ³ TWA: 10 mg/m ³ STEL: 10 mg/m ³ STEL: 12 mg/m ³ STEL: 30 mg/m ³	STEL: 30 mg/m ³ inhalable dust STEL: 12 mg/m ³ fume and respirable dust TWA: 10 mg/m ³ inhalable dust TWA: 4 mg/m ³ fume and respirable dust
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Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection	Tight sealing safety goggles. Face protection shield.
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/flamm resistant/retardant clothing. Suitable protective clothing.
Respiratory Protection	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. In case of inadequate ventilation wear respiratory protection.
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	Liquid Viscous	
Colour	Amber	
Odour	Solvent	
Odour Threshold	No information available	
Property	Values	Remarks • Method
pH	No information available	
Melting point / freezing point	No information available	
Boiling point / boiling range	48 °C / 118.4 °F	
Flash Point	-20 °C / -4 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	Not applicable for liquids
Flammability Limit in Air		
Upper flammability or explosive limits	No information available	
Lower flammability or explosive limits	No information available	
Vapour Pressure	< 110	kPa
Vapour Density	No information available	
Relative Density	No information available	
Water Solubility	Insoluble in water	
Solubility in Other Solvents	Soluble in hydrocarbons, Ethyl acetate, Acetone	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Explosive Properties	No information available	
Oxidising Properties	Not applicable	
Kinematic Viscosity	> 500 mm ² /s	@ 40°C None known
Dynamic Viscosity	approx 3750	@ 25 °C

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9.2. Other information

Softening Point	Not relevant
Molecular Weight	No information available
Solvent content (%)	No information available
Solid content (%)	approx 23
Density	0.84
Bulk Density	No data available
VOC content (%)	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended storage conditions.

10.2. Chemical stability

Stable under recommended storage conditions.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong acids and bases.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

No information or data specific to the product on this toxicological (health) effect is available.

Inhalation	May cause drowsiness or dizziness.
Eye contact	Severely irritating to eyes.
Skin Contact	Irritating to skin.
Ingestion	No data available.
Sensitisation	May cause sensitisation of susceptible persons.

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

Skin Corrosion/Irritation Not applicable.

Serious eye damage/eye irritation Not applicable.

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Sensitisation	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Carcinogenicity	Not applicable.
Reproductive Toxicity	No information available.
STOT - Single Exposure	May cause drowsiness or dizziness.
STOT - Repeated Exposure	No information available.
Target Organ Effects	Central nervous system, Eyes, Respiratory system, Skin.
Aspiration hazard	No information available.

Numerical measures of toxicity

Acute Toxicity

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

ATEmix (dermal)	16,850.00 mg/kg
ATEmix (inhalation-dust/mist)	52.00 mg/l

Component Information

Toxicity Data Data obtained on the component(s) include

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg (Rat)	>15800 mg/Kg (rat)	= 79 mg/l(Rat) 4 h
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics --	LD50 >5840 mg/kg Rat	LD50 >2920 mg/kg (Rat)	-
Methyl ethyl ketone 78-93-3	= 2483 mg/kg (Rat)	= 5000 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
Ethyl acetate 141-78-6	= 5620 mg/kg (Rat)	> 18000 mg/kg (Rabbit) > 20 mL/kg (Rabbit)	LC0 29.3 mg/l air
Hydrocarbons, C6, isoalkanes, <5% n-hexane --	>16750 mg/Kg (rat)	>3350 mg/Kg (rabbit OECD 402)	259354 mg/m ³ (vapour) (rat OECD 403)
Xylenes (o-, m-, p- isomers) 1330-20-7	= 3500 mg/kg (Rat)	> 1700 mg/kg (Rabbit) > 4350 mg/kg (Rabbit)	= >47635 mg/L (Rat) 4 h = >5000 ppm (Rat) 4 h
Ethylbenzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 1432 mg/L (Rat) 4 h
Rosin 8050-09-7	>2800 mg/Kg (rat)	> 2500 mg/kg (Rabbit)	= 1.5 mg/L (Rat) 4 h

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects

Component Information

Data obtained on the component(s) include

Chemical Name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Acetone	-	LC50 96 h 4.74 - 6.33 mL/L	EC50 48 h 10294 - 17704	

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67-64-1 Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics --	-	(Oncorhynchus mykiss) -	mg/L (Daphnia magna Static) EL50 (48h) =3mg/L Daphnia	
Methyl ethyl ketone 78-93-3	EC50=1972 mg/l (Pseudokirchneriella subcapitata)	LC50 96 h 3130 - 3320 mg/L (Pimephales promelas flow-through)	EC50 48 h > 308 mg/L (Daphnia magna)	
Ethyl acetate 141-78-6	EC50 48 h = 3300 mg/L (Desmodesmus subspicatus)	LC50 96 h 220 - 250 mg/L (Pimephales promelas flow-through) LC50 96 h 352 - 500 mg/L (Oncorhynchus mykiss semi-static) LC50 96 h = 484 mg/L (Oncorhynchus mykiss flow-through)	EC50 48 h = 560 mg/L (Daphnia magna Static)	
Hydrocarbons, C6, isoalkanes, <5% n-hexane --	13.6 mg/l (Pseudokirchneriella subcapitata)	18.3 mg/l (Oncorhynchus mykiss)	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 48 h = 3.4 mg/L (water flea)	
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 48 h 1.8 - 2.4 mg/L (Daphnia magna)	
Rosin 8050-09-7	EC50 72 h = 400 mg/L (Desmodesmus subspicatus)	LC50 (96h) >10mg/L Fish (Danio rerio)	EC50 48 h >100 mg/L (Daphnia magna)	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

There is no data for this product.

Partition coefficient No information available

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No information available

Endocrine Disruptor Information

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Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Improper disposal or reuse of this container may be dangerous and illegal.

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

Other Information Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

Note: The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition). The information shown here, may not always agree with the bill of lading shipping description for the material.

Land transport (ADR/RID)

14.1 UN Number UN1133
14.2 Proper Shipping Name Adhesives
14.3 Transport hazard class(es) 3
Labels 3
14.4 Packing Group III
Description UN1133, Adhesives, 3, III, (E)
14.5 Environmental hazards Not applicable
14.6 Special Provisions None
Classification Code F1
Tunnel restriction code (E)
Limited Quantity (LQ) 5 L

IMDG

14.1 UN Number UN1133
14.2 Proper Shipping Name Adhesives
14.3 Transport hazard class(es) 3
14.4 Packing Group III
Description UN1133, Adhesives, 3, III, (-20°C c.c.)
14.5 Marine Pollutant Np
14.6 Special Provisions 223, 955
Limited Quantity (LQ) 5 L
EmS-No F-E, S-D
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

Air transport (ICAO-TI / IATA-DGR)

14.1 UN Number UN1133
14.2 Proper Shipping Name Adhesives
14.3 Transport hazard class(es) 3
14.4 Packing Group III
Description UN1133, Adhesives, 3, III
14.5 Environmental hazards Not applicable
14.6 Special Provisions A3
Limited Quantity (LQ) 10 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

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

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

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).

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

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
or
P5b - FLAMMABLE LIQUIDS
or
P5c - FLAMMABLE LIQUIDS

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

Not applicable

Persistent Organic Pollutants

Not applicable

15.2. Chemical safety assessment

None

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

H373 - May cause damage to organs through prolonged or repeated exposure
H304 - May be fatal if swallowed and enters airways
H332 - Harmful if inhaled
H225 - Highly flammable liquid and vapour
H412 - Harmful to aquatic life with long lasting effects
H335 - May cause respiratory irritation
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H312 - Harmful in contact with skin
H226 - Flammable liquid and vapour
H336 - May cause drowsiness or dizziness
H317 - May cause an allergic skin reaction
H411 - Toxic to aquatic life with long lasting effects
EUH066 - Repeated exposure may cause skin dryness or cracking

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls and personal protection

TWA TWA (time-weighted average) STEL
Ceiling Maximum limit value *
PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

STEL (Short Term Exposure Limit)
Skin designation

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STOT (RE): Specific target organ toxicity - Repeated exposure
STOT (SE): Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue

Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

Prepared By Product Safety & Regulatory Affairs

Revision Date 05-Jul-2018

Indication of changes

Revision Note SDS sections updated: 9.

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

Further information No information available

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006

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