

EVO-STIK IMPACT SOLVENT FREE
Supersedes Date: 08-Aug-2018

Revision Date 25-Feb-2019
Revision Number 1.01

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

1.1. Product Identifier

Product Name EVO-STIK IMPACT SOLVENT FREE
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

Regulation (EC) No 1272/2008

Chronic aquatic toxicity	Category 3 - (H412)
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2.2. Label Elements

Signal word

None

Hazard statements

H412 - Harmful to aquatic life with long lasting effects

EU Specific Hazard Statements

EUH208 - Contains Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone. May produce an allergic reaction

precautionary statements

P101 - If medical advice is needed, have product container or label at hand
P273 - Avoid release to the environment
P280 - Wear protective gloves and eye/face protection
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other Hazards

No information available

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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

Not applicable

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
Poly(oxy-1,2-ethanediyl), a-tridecyl-?-hydroxy-, phosphate, potassium salt	-	68186-36-7	1- <2.5	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		No data available
Silica, amorphous	231-545-4	7631-86-9	1- <2.5	No data available		01-2119379499-16-XXXX
Zinc oxide	215-222-5	1314-13-2	1- <2.5	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		01-2119463881-32-XXXX
Resin acids and Rosin acids, sodium salts	263-144-5	61790-51-0	1- <2.5	Eye Irrit. 2 (H319)		01-2119486963-21-XXXX
Resin acids and rosin acids, potassium salts	263-142-4	61790-50-9	1- <2.5	Eye Irrit. 2 (H319)		01-2119486885-17-XXXX
2,2-Methylenebis(4-methyl-6-tert-butylphenol)	204-327-1	119-47-1	0.1 - <1	Repr. 2 (H361f)		01-2119496065-33-XXXX

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

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

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	Take a copy of the Safety Data Sheet when going for medical treatment.
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.

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

Symptoms No information available.

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

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Full water jet. Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Thermal decomposition can lead to release of toxic and corrosive gases/vapours.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons.

5.3. Advice for firefighters

Special protective equipment 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 Ensure adequate ventilation. Avoid contact with skin, eyes or clothing.

Other information Ventilate the area. Prevent further leakage or spillage if safe to do so.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

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 Ensure adequate ventilation. Use personal protective equipment as required. Avoid

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contact with skin, eyes or clothing.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Specific Use(s)
 Adhesives.

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

Other information Observe technical data sheet.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	European Union	Ireland	United Kingdom
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	TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ TWA: 0.1 mg/m ³ STEL: 18 mg/m ³ STEL: 7.2 mg/m ³
Zinc oxide 1314-13-2	-	TWA: 2 mg/m ³ STEL: 10 mg/m ³	-
Potassium hydroxide 1310-58-3	-	STEL: 2 mg/m ³	STEL: 2 mg/m ³

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)

Zinc oxide (1314-13-2)

Type Worker Long term Systemic health effects
 Exposure route Inhalation
 Derived No Effect Level (DNEL) 5 mg/m³

Type Worker Long term Local health effects
 Exposure route Inhalation
 Derived No Effect Level (DNEL) 0.5 mg/m³

Type Worker Long term Systemic health effects
 Exposure route Dermal
 Derived No Effect Level (DNEL) 83 mg/kg bw/d

Derived No Effect Level (DNEL)

Zinc oxide (1314-13-2)

Type Consumer Long term Systemic health effects
 Exposure route Inhalation
 Derived No Effect Level (DNEL) 2.5 mg/m³

Type Consumer Long term Systemic health effects
 Exposure route Dermal

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Derived No Effect Level (DNEL)	83 mg/kg bw/d
Type	Consumer Long term Systemic health effects
Exposure route	Oral
Derived No Effect Level (DNEL)	0.83 mg/kg bw/d

Predicted No Effect Concentration (PNEC) No information available.

Predicted No Effect Concentration (PNEC)	
Zinc oxide (1314-13-2)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.0206 mg/l
Marine water	0.0061 mg/l
Freshwater sediment	235.6 mg/kg dry weight
Marine sediment	113 mg/kg dry weight
Soil	106.8 mg/kg dry weight
Microorganisms in sewage treatment	0.1 mg/l

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Avoid contact with eyes.
Skin and body protection Wear protective gloves and protective clothing. Avoid contact with skin, eyes or clothing.
Respiratory protection During spraying wear suitable respiratory equipment.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Liquid
Appearance No information available
Colour White
Odour No information available
Odour Threshold No information available

Property	Values	Remarks • Method
pH	No data available	
Melting point / freezing point	No data available	
Boiling point / boiling range	No data available	
Flash Point	No data available	
Evaporation Rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour Pressure	No data available	
Vapour Density	No data available	
Relative Density	1.12	
Water Solubility	Miscible in water	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
Kinematic Viscosity	No data available	
Dynamic Viscosity	No data available	

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Explosive properties	No data available
Oxidising properties	No data available

9.2. Other information

Solid content (%)	approx. 55
Softening Point	No information available
Molecular Weight	No information available
VOC (volatile organic compound)	No information available
Density	No information available
Bulk Density	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

Sensitivity to mechanical impact	None.
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Sensitivity to static discharge	None.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal processing.
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10.4. Conditions to avoid

Conditions to avoid	Keep from freezing.
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10.5. Incompatible materials

Incompatible materials	None known based on information supplied.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon monoxide. Carbon dioxide (CO ₂). Hydrocarbons.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product information

Inhalation	Based on available data, the classification criteria are not met.
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Eye contact	Based on available data, the classification criteria are not met.
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Skin contact	Causes mild skin irritation.
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Ingestion	Based on available data, the classification criteria are not met.
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Symptoms related to the physical, chemical and toxicological characteristics

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Symptoms No information available.

Numerical measures of toxicity

Acute Toxicity

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Silica, amorphous 7631-86-9	= 7900 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 2.2 mg/L (Rat) 1 h
Zinc oxide 1314-13-2	> 5000 mg/kg (Rat)	LD50 >2000 mg/Kg (Rat) (OECD 402)	LC50 (4h) >5.7 mg/l
Resin acids and Rosin acids, sodium salts 61790-51-0	> 2000 mg/kg (Rat)		
Resin acids and rosin acids, potassium salts 61790-50-9	>2000 mg/Kg (rat)	>2000 mg/kg (rat)	
2,2-Methylenebis(4-methyl-6-tert-butylphenol) 119-47-1	> 10000 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	

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

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

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.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea	M-Factor
Silica, amorphous	EC50: =440mg/L	LC50: =5000mg/L	-	EC50: =7600mg/L	-

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7631-86-9	(72h, Pseudokirchneriella subcapitata)	(96h, Brachydanio rerio)		(48h, Ceriodaphnia dubia)	
Zinc oxide 1314-13-2	LC 50 (72Hr) 0.136 mg/L	LC50 (96h) =0.7 mg/L Fish (Danio rerio)	-	LC 50 (48Hr) =0.5 mg/l (Ceriodaphnia dubia)	-
Resin acids and Rosin acids, sodium salts 61790-51-0	EC50: 18.0 - 20.0mg/L (72h, Pseudokirchneriella subcapitata)	LC50: 5.0 - 10.0mg/L (96h, Brachydanio rerio)	-	EC50: =76mg/L (48h, Daphnia magna)	-
2,2-Methylenebis(4-methyl-6-tert-butylphenol) 119-47-1	-	LD50 (96h) >5mg/L Fish	-	-	-

12.2. Persistence and degradability

Persistence and degradability No information available.

Component Information			
Silica, amorphous (7631-86-9)			
Method	Exposure time	Value	Results
			The methods for determining biodegradability are not applicable to inorganic substances

Zinc oxide (1314-13-2)			
Method	Exposure time	Value	Results
			The methods for determining biodegradability are not applicable to inorganic substances

2,2-Methylenebis(4-methyl-6-tert-butylphenol) (119-47-1)			
Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C)	28 days		0 % Not readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential There is no data for this product.

Component Information

Chemical Name	Partition coefficient	Bioconcentration factor (BCF)
Resin acids and Rosin acids, sodium salts 61790-51-0	3	-
2,2-Methylenebis(4-methyl-6-tert-butylphenol) 119-47-1	>3.6	840

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

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

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Chemical Name	PBT and vPvB assessment
Silica, amorphous 7631-86-9	The substance is not PBT / vPvB PBT assessment does not apply
Zinc oxide 1314-13-2	The substance is not PBT / vPvB PBT assessment does not apply
Resin acids and Rosin acids, sodium salts 61790-51-0	The substance is not PBT / vPvB
Resin acids and rosin acids, potassium salts 61790-50-9	The substance is not PBT / vPvB
2,2-Methylenebis(4-methyl-6-tert-butylphenol) 119-47-1	The substance is not PBT / vPvB

12.6. Other adverse effects

Other Adverse Effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Do not reuse empty containers. Handle contaminated packages in the same way as the product itself.

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: Keep from freezing.

Land transport (ADR/RID)

14.1 UN Number Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special Provisions None

IMDG

14.1 UN Number Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing Group Not regulated
14.5 Marine Pollutant Np
14.6 Special Provisions None
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 Not regulated
14.2 Proper Shipping Name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special Provisions None

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Section 15: REGULATORY INFORMATION

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

European Union

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)

Biocidal Products Regulation (EU) No 528/2012 (BPR)

Contains a biocide : Contains C(M)IT/MIT (3:1). May produce an allergic reaction

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

Not applicable

Persistent Organic Pollutants

Not applicable

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

H361f - Suspected of damaging fertility
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H331 - Toxic if inhaled
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H315 - Causes skin irritation

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend SECTION 8: Exposure controls/personal protection

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TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
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 25-Feb-2019

Indication of changes

Revision note Not applicable.

Training Advice No information available

Further information No information available

This material 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