



# Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**EVO-STIK SAFE 80 NON-FLAM CONT. ADH**  
**Supersedes Date:** 08-Aug-2018

**Revision Date** 08-Aug-2018  
**Revision Number** 1

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

**Product Name** EVO-STIK SAFE 80 NON-FLAM CONT. ADH  
**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

<b>United Kingdom</b>	+44 (1785) 272650
<b>Ireland</b>	+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]

<b>Chronic aquatic toxicity</b>	Category 3 - (H412)
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### 2.2. Label Elements

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

#### 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 - EU (§28, 1272/2008)

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

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## General Hazards

No information available.

## 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
Alkyl Ethoxy Phosphate Potassium Salt	-	UNKNOWN	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			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
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone	611-341-5	55965-84-9	<0.0015	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 2 (H330) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) M Factor Acute = 100 M Factor Chronic = 10	Eye Irrit. 2 :: 0.06%<=C<0.6% Skin Corr. 1B :: C>=0.6% Skin Irrit. 2 :: 0.06%<=C<0.6% Skin Sens. 1 :: C>=0.0015%	No data available

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

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<b>Inhalation</b>	Remove to fresh air.
<b>Skin Contact</b>	Wash hands thoroughly after handling. Wash with plenty of soap and water.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub affected area. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

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

**Symptoms** None known.

## 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**

None known

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

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

**Hazardous Combustion Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Hydrocarbons.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

#### **Personal Precautions**

Use personal protection recommended in Section 8.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Keep out of drains, sewers, ditches and waterways.

### 6.3. Methods and material for containment and cleaning up

**Methods for Containment** Stop leak if you can do it without risk.

**Methods for cleaning up** Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal.

### 6.4. Reference to other sections

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**Reference to other sections**      Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
 Section 13: DISPOSAL CONSIDERATIONS

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Do not re-use container.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

### 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)

#### Other Information

Observe technical data sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Chemical Name	European Union	Ireland	United Kingdom
Silica, amorphous 7631-86-9	TWA: 0.1 mg/m <sup>3</sup>	TWA: 6 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup> STEL: 18 mg/m <sup>3</sup> STEL: 7.2 mg/m <sup>3</sup>	STEL: 18 mg/m <sup>3</sup> inhalable dust STEL: 7.2 mg/m <sup>3</sup> respirable dust TWA: 6 mg/m <sup>3</sup> inhalable dust TWA: 2.4 mg/m <sup>3</sup> respirable dust TWA: 0.1 mg/m <sup>3</sup> respirable
Zinc oxide 1314-13-2	-	TWA: 2 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	-
Potassium hydroxide 1310-58-3	-	STEL: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup>

**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**      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  
**Colour**      White  
**Odour**      No information available  
**Odour Threshold**      No information available

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<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / freezing point	No information available	
Boiling point / boiling range	No information available	
Flash Point	No information available	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability or explosive limits	No information available	
Lower flammability or explosive limits	No information available	
Vapour Pressure	No information available	
Vapour Density	No information available	
Relative Density	1.12	
Water Solubility	Miscible in water	
Solubility in Other Solvents	No information available	
Partition coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Explosive Properties	No information available	
Oxidising Properties	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
<b>9.2. Other information</b>		
Softening Point	No information available	
Molecular Weight	No information available	
Solvent content (%)	No information available	
Solid content (%)	approx 55	
Density	No data available	
Bulk Density	No data available	
VOC (volatile organic compound)	No information available	

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

None under normal use conditions.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion Data

Sensitivity to Mechanical Impact None.  
Sensitivity to Static Discharge None.

### 10.3. Possibility of hazardous reactions

#### Possibility of Hazardous Reactions

None under normal processing.

### 10.4. Conditions to avoid

Extremes of temperature and direct sunlight. Keep from freezing.

### 10.5. Incompatible materials

No information available.

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## 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Hydrocarbons.

## **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.

<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Ingestion</b>	No data available.
<b>Sensitisation</b>	No data available.

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

<b>Skin Corrosion/Irritation</b>	Not applicable.
<b>Serious eye damage/eye irritation</b>	Not applicable.
<b>Sensitisation</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

#### Numerical measures of toxicity

##### **Acute Toxicity**

#### Component Information

##### **Toxicity Data**

Data obtained on the component(s) include

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
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, potassium salts 61790-50-9	>2000 mg/Kg (rat)	>2000 mg/kg (rat)	-
Resin acids and Rosin acids, sodium salts 61790-51-0	> 2000 mg/kg ( Rat )	-	-
2,2-Methylenebis(4-methyl-6-tert-butylphenol)	> 10000 mg/kg ( Rat )	> 10000 mg/kg ( Rabbit )	-

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## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecotoxicity** Harmful to aquatic life with long lasting effects

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Silica, amorphous 7631-86-9	EC50 72 h = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h = 5000 mg/L (Brachydanio rerio static)	EC50 48 h = 7600 mg/L (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)	1
Resin acids and Rosin acids, sodium salts 61790-51-0	EC50 72 h 18.0 - 20.0 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 5.0 - 10.0 mg/L (Brachydanio rerio static)	EC50 48 h = 76 mg/L (Daphnia magna )	
2,2-Methylenebis(4-methyl- 6-tert-butylphenol) 119-47-1	-	LD50 (96h) >5mg/L Fish	-	
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolon e 55965-84-9	EC50 (72h) =0.048 mg/L (Pseudokirchneriella subcapitata) (OECD 201)	EC50 (96h) = 0.22 mg/L (Oncorhynchus mykiss) (OECD 211)	EC50 (48h) =0.1 mg/L (Daphnia magna) (OECD 202)	100

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

**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

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

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

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**Waste from Residues/Unused Products** Dispose of wastes in an approved waste disposal facility.

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

## 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

## 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



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**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**  
 Not applicable

**Persistent Organic Pollutants**  
 Not applicable

## 15.2. Chemical safety assessment

### **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  
 H330 - Fatal 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**

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** 08-Aug-2018

##### **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,

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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**