



# 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 HYTEC E336 XTREM - HARDENER**  
Supersedes Date: 18-Jul-2022

Revision date 03-Oct-2023  
Revision Number 4

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

### 1.1. Product identifier

Product Name BOSTIK HYTEC E336 XTREM - HARDENER

Pure substance/mixture Mixture

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

Recommended use Curing chemical

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 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)

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Inhalation (Dusts/Mists)	Not applicable
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)
Specific target organ toxicity — repeated exposure	Category 2 - (H373)
Chronic aquatic toxicity	Category 2 - (H411)

### 2.2. Label elements

Contains Fatty acids, C18-unsaturated, dimers, polymers with tall-oil fatty acids and triethylenetetramine; Formaldehyde, polymer with benzenamine, hydrogenated; Amines, polyethylenepoly-, triethylenetetramine fraction; 2,4,6-Tri(dimethylaminomethyl)phenol; Salicylic acid

# SAFETY DATA SHEET

BOSTIK HYTEC E336 XTREM - HARDENER  
Supersedes Date: 18-Jul-2022

Revision date 03-Oct-2023  
Revision Number 4



**Signal word**  
Warning

## Hazard statements

H302 - Harmful if swallowed.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H373 - May cause damage to organs through prolonged or repeated exposure.  
H411 - Toxic to aquatic life with long lasting effects.

## 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  
P260 - Do not breathe vapour  
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  
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
P273 - Avoid release to the environment  
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

Toxic to aquatic life.

## 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
Fatty acids, C18-unsaturated, dimers, polymers with tall-oil fatty acids and triethylenetetramine	500-191-5	68082-29-1	40 - <80	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1A (H317)	-	01-2119972320-44-xxxx

# SAFETY DATA SHEET

**BOSTIK HYTEC E336 XTREM - HARDENER**  
**Supersedes Date:** 18-Jul-2022

**Revision date** 03-Oct-2023  
**Revision Number** 4

				Aquatic Chronic 2 (H411)		
Formaldehyde, polymer with benzenamine, hydrogenated	-	135108-88-2	20 - <25	Acute Tox. 3 (H301) Skin Corr. 1C (H314) Eye Dam. 1 (H318) Skin Sens. 1 (H317) STOT RE 2 (H373) Aquatic Chronic 3 (H412)	-	01-2119983522-33-XXXX
Benzyl alcohol	(603-057-00-5) 202-859-9	100-51-6	20 - <25	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Eye Irrit. 2 (H319)	-	01-2119492630-38-XXXX
2,4,6-tris(dimethylamino methyl)phenol	(603-069-00-0) 202-013-9	90-72-2	1 - <5	Acute Tox. 4 (H302) Skin Corr. 1C (H314) Eye Dam. 1 (H318)	-	01-2119560597-27-XXXX
Salicylic acid	(607-732-00-5) 200-712-3	69-72-7	1 - <3	Eye Dam. 1 (H318) Acute Tox. 4 (H302) Repr. 2 (H361d)	-	01-2119486984-17-XXXX
Amines, polyethylenepoly-, triethylenetetramine fraction	292-588-2	90640-67-8	1 - <3	Acute Tox. 4 (H312) Acute Tox. 4 (H302) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)	-	01-2119487919-13-XXXX

## 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)

## **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance.

# SAFETY DATA SHEET

BOSTIK HYTEC E336 XTREM - HARDENER  
Supersedes Date: 18-Jul-2022

Revision date 03-Oct-2023  
Revision Number 4

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<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Wash off immediately with soap and plenty of water for at least 15 minutes.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.
<b>Self-protection of the first aider</b>	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

**Symptoms** Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.

## 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** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

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

**Specific hazards arising from the chemical** Product is or contains a sensitiser. May cause sensitisation by skin contact.

**Hazardous combustion products** Carbon oxides. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

### 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** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Other information** 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** Prevent further leakage or spillage if safe to do so.

# SAFETY DATA SHEET

BOSTIK HYTEC E336 XTREM - HARDENER  
Supercedes Date: 18-Jul-2022

Revision date 03-Oct-2023  
Revision Number 4

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

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

**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** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

**General hygiene considerations** Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

### 7.3. Specific end use(s)

**Specific use(s)**  
Curing chemical.

**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**

**Derived No Effect Level (DNEL)** No information available

<b>Derived No Effect Level (DNEL)</b>			
<b>Benzyl alcohol (100-51-6)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	22 mg/m <sup>3</sup>	
worker Short term Systemic health effects	Inhalation	110 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Dermal	8 mg/kg bw/d	

# SAFETY DATA SHEET

**BOSTIK HYTEC E336 XTREM - HARDENER**  
**Supersedes Date:** 18-Jul-2022

**Revision date** 03-Oct-2023  
**Revision Number** 4

worker Short term Systemic health effects	Dermal	40 mg/kg bw/d	
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## **2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)**

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects worker	Inhalation	0.53 mg/m <sup>3</sup>	
Short term Systemic health effects worker	Inhalation	2.1 mg/m <sup>3</sup>	
Long term Systemic health effects worker	Dermal	0.15 mg/kg	
Short term Systemic health effects worker	Dermal	0.6 mg/kg	

## **Amines, polyethylenepoly-, triethylenetetramine fraction (90640-67-8)**

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	0.54 mg/m <sup>3</sup>	

## **Derived No Effect Level (DNEL)**

### **Benzyl alcohol (100-51-6)**

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	5.4 mg/m <sup>3</sup>	
Consumer Short term Systemic health effects	Inhalation	27 mg/m <sup>3</sup>	
Consumer Long term Systemic health effects	Dermal	4 mg/kg bw/d	
Consumer Short term Systemic health effects	Dermal	20 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	4 mg/kg bw/d	
Consumer Short term Systemic health effects	Oral	20 mg/kg bw/d	

## **2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)**

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects Consumer	Inhalation	0.13 mg/m <sup>3</sup>	
Short term Systemic health effects Consumer	Inhalation	0.13 mg/m <sup>3</sup>	

# SAFETY DATA SHEET

**BOSTIK HYTEC E336 XTREM - HARDENER**  
**Supersedes Date:** 18-Jul-2022

**Revision date** 03-Oct-2023  
**Revision Number** 4

Long term Systemic health effects Consumer	Dermal	0.075 mg/kg	
Short term Systemic health effects Consumer	Dermal	0.075 mg/kg	
Long term Systemic health effects Consumer	Oral	0.075 mg/kg	

## Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	
<b>Benzyl alcohol (100-51-6)</b>	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	1 mg/l
Marine water	0.1 mg/l
Microorganisms in sewage treatment	39 mg/l
Freshwater sediment	5.27 mg/kg dry weight
Marine sediment	0.527 mg/kg dry weight
Soil	0.456 mg/kg dry weight
Freshwater - intermittent	2,3 mg/l

<b>2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)</b>	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.046 mg/l
Marine water	0.005 mg/l
Sewage treatment plant	0.262 mg/l
Freshwater - intermittent	0.46 mg/l
Soil	0.025 mg/kg

<b>Amines, polyethylenepoly-, triethylenetetramine fraction (90640-67-8)</b>	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.027 mg/l
Freshwater - intermittent	0.2 mg/l
Marine water	0.003 mg/l
Sewage treatment plant	0.13 mg/l
Freshwater sediment	8.572 mg/kg dry weight
Marine sediment	0.857 mg/kg dry weight

## 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). Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.

#### Hand protection

Recommended Use: Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 240 min. 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. Unsuitable protective clothing. Leather. Disposable gloves. Gloves must conform to standard EN 374

#### Skin and body protection

Suitable protective clothing.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. During spraying wear suitable respiratory equipment.

#### Recommended filter type:

Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Organic gases and vapours filter conforming to EN 14387.

# SAFETY DATA SHEET

BOSTIK HYTEC E336 XTREM - HARDENER  
Supersedes Date: 18-Jul-2022

Revision date 03-Oct-2023  
Revision Number 4

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

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Physical state** Liquid  
**Appearance** Liquid  
**Colour** Amber  
**Odour** Amine.

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	> 177 °C	
<b>Flammability</b>	Not applicable for liquids	
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Flash point</b>	117 °C	
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>		None known
<b>pH</b>	10	
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	3000 - 4500 mPa s	@ 23 °C
<b>Water solubility</b>	Slightly soluble.	
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Vapour pressure</b>	3	Data technically impossible to obtain
<b>Relative density</b>	0.98 - 1.02	
<b>Bulk Density</b>	No data available	
<b>Density</b>	No data available	
<b>Relative vapour density</b>	No data available	None known
<b>Particle characteristics</b>		
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	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.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.



# SAFETY DATA SHEET

BOSTIK HYTEC E336 XTREM - HARDENER  
Supercedes Date: 18-Jul-2022

Revision date 03-Oct-2023  
Revision Number 4

## 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

**Conditions to avoid** None known based on information supplied.

## 10.5. Incompatible materials

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

## 10.6. Hazardous decomposition products

**Hazardous decomposition products** None under normal use conditions. Thermal decomposition can lead to release of toxic/corrosive gases and vapours. Ammonia. Amines.

## **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 irritation. (based on components). May cause redness, itching, and pain.

**Skin contact** May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Harmful if swallowed. (based on components).

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Itching. Rashes. Hives. Redness. 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 (dermal)** 37,931.00 mg/kg  
**ATEmix (inhalation-gas)** >20000 ppm  
**ATEmix (inhalation-dust/mist)** 20.90 mg/l  
**ATEmix (inhalation-vapour)** >20 mg/l

**Oral LD50** 2020 mg/kg (rat)

# SAFETY DATA SHEET

**BOSTIK HYTEC E336 XTREM - HARDENER**  
**Supersedes Date:** 18-Jul-2022

**Revision date** 03-Oct-2023  
**Revision Number** 4

## Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Fatty acids, C18-unsaturated, dimers, polymers with tall-oil fatty acids and triethylenetetramine	LD50 > 2000 mg/kg)	LD50 > 2000 mg/kg (Rattus)	-
Formaldehyde, polymer with benzenamine, hydrogenated	LD50 >50 - <= 300 mg/kg (rat)	> 1000 mg/kg ( Rabbit )	-
Benzyl alcohol	LD50 = 1620 mg/kg (Rattus)	> 2 g/kg (Oryctolagus cuniculus)	>4.17 mg/L (Rattus) 4 h
2,4,6-tris(dimethylaminomethyl)phenol	LD50 > 1 916 - < 2 455 mg/kg (Rattus)	> 1 ml/kg ( Rattus )	-
Salicylic acid	=891 mg/kg (Rattus)	> 2 g/kg (Rattus)	>900 mg/m <sup>3</sup> (Rattus) 1 h
Amines, polyethylenepoly-, triethylenetetramine fraction	LD50 (Rattus) 1716 mg/Kg (OECD 401)	LD50 (Oryctolagus cuniculus) 1465 mg/Kg (OECD 402)	-

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

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**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.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
Salicylic acid	Repr. 2

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

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

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties**

### 11.2.2. Other information

**Other adverse effects** No information available.

# SAFETY DATA SHEET

BOSTIK HYTEC E336 XTREM - HARDENER  
 Supersedes Date: 18-Jul-2022

Revision date 03-Oct-2023  
 Revision Number 4

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Fatty acids, C18-unsaturated, dimers, polymers with tall-oil fatty acids and triethylenetetramine 68082-29-1	-	LC50: =7.07mg/L (96h, Danio rerio)	-	-		
Formaldehyde, polymer with benzenamine, hydrogenated 135108-88-2	-	LC50 (96h) =63 mg/L (Poecilia reticulata)Static (OECD 203)	-	EC50 (48h) =15.4 mg/L (Daphnia magna)Static (OECD 202)		
Benzyl alcohol 100-51-6	EC 50 (72h) = 700 mg/L (Pseudokirchnerella subcapitata) OECD 201	LC50 96 h = 460 mg/L (Pimephales promelas static)	EC50 = 50 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 63.7 mg/L 5 min EC50 = 71.4 mg/L 30 min	EC50 48 h = 230 mg/L (Daphnia magna)		
2,4,6-tris(dimethylaminoethyl)phenol 90-72-2	EC50 (72h) = 84 mg/L (Desmodesmus subspicatus) OECD 201	CL50 (96h) =175 mg/L (Cyprinus carpio)	-	-		
Salicylic acid 69-72-7	EC50 (72 h) > 100 mg/L (Scenedesmus subspicatus) OECD 201	LC50 (96)> 100 mg/L (Pimephales promelas)	-	EC50 48 h = 870 mg/L (Daphnia magna Static)		
Amines, polyethylenepoly-, triethylenetetramine fraction 90640-67-8	ErC 50 : 72 Hr (Senastrum capricornutum) 20mg/l	LC50 (96h) = 330 mg/L (Pimephales promelas)	-	EC 50 48hr (daphnia magna) 31.3 mg/l		

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

Salicylic acid (69-72-7)

Method	Exposure time	Value	Results
OECD Test No. 301C: Ready Biodegradability: Modified MITI Test (I) (TG 301 C)	14 days	Biodegradation 88%	Readily biodegradable

### 12.3. Bioaccumulative potential

**Bioaccumulation**

#### Component Information

Chemical name	Partition coefficient

# SAFETY DATA SHEET

BOSTIK HYTEC E336 XTREM - HARDENER  
Supersedes Date: 18-Jul-2022

Revision date 03-Oct-2023  
Revision Number 4

Formaldehyde, polymer with benzenamine, hydrogenated	2.68
Benzyl alcohol	1.05
2,4,6-tris(dimethylaminomethyl)phenol	0.219
Salicylic acid	2.25
Amines, polyethylenepoly-, triethylenetetramine fraction	-2.08

## 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
Fatty acids, C18-unsaturated, dimers, polymers with tall-oil fatty acids and triethylenetetramine	The substance is not PBT / vPvB
Formaldehyde, polymer with benzenamine, hydrogenated	The substance is not PBT / vPvB
Benzyl alcohol	The substance is not PBT / vPvB
2,4,6-tris(dimethylaminomethyl)phenol	The substance is not PBT / vPvB
Salicylic acid	The substance is not PBT / vPvB
Amines, polyethylenepoly-, triethylenetetramine fraction	The substance is not PBT / vPvB

## 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

## 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**Waste codes / waste designations according to EWC** 15 01 10\*: Packaging containing residues of or contaminated by dangerous substances. 16 03 03\* inorganic wastes containing hazardous substances. 16 05 05 gases in pressure containers other than those mentioned in 16 05 04. Waste codes should be assigned by the user based on the application for which the product was used.

**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 or ID number** UN3082

**14.2 UN proper shipping name** Environmentally hazardous substances, liquid, n.o.s (Fatty acids, C18-unsaturated, dimers, polymers with tall-oil fatty acids and triethylenetetramine)

# SAFETY DATA SHEET

BOSTIK HYTEC E336 XTREM - HARDENER  
Supersedes Date: 18-Jul-2022

Revision date 03-Oct-2023  
Revision Number 4

14.3 Transport hazard class(es)	9
Labels	9
14.4 Packing group	III
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s (Fatty acids, C18-unsaturated, dimers, polymers with tall-oil fatty acids and triethylenetetramine), 9, III, (-)
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	274, 335, 601, 375
Classification code	M6
Tunnel restriction code	(-)
Limited quantity (LQ)	5 L
ADR Hazard Id (Kemmler Number)	90

## IMDG

14.1 UN number or ID number	UN3082
14.2 UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s (Fatty acids, C18-unsaturated, dimers, polymers with tall-oil fatty acids and triethylenetetramine)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s (Fatty acids, C18-unsaturated, dimers, polymers with tall-oil fatty acids and triethylenetetramine), 9, III, Marine Pollutant
14.5 Marine pollutant	P
14.6 Special precautions for user	
Special Provisions	274, 335, 969
Limited Quantity (LQ)	5 L
EmS-No.	F-A, S-F
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	UN3082
14.2 UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s (Fatty acids, C18-unsaturated, dimers, polymers with tall-oil fatty acids and triethylenetetramine)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s (Fatty acids, C18-unsaturated, dimers, polymers with tall-oil fatty acids and triethylenetetramine), 9, III
14.5 Environmental hazards	Yes
14.6 Special precautions for user	
Special Provisions	A97, A158, A197
Limited quantity (LQ)	30 kg G
ERG Code	9L

## 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

# SAFETY DATA SHEET

**BOSTIK HYTEC E336 XTREM - HARDENER**  
**Supersedes Date:** 18-Jul-2022

**Revision date** 03-Oct-2023  
**Revision Number** 4

## Registration, Evaluation, Authorization, 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)**

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

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

Not applicable

### **Persistent Organic Pollutants**

Not applicable

## 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

H301 - Toxic if swallowed

H302 - Harmful if swallowed

H312 - Harmful 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

H332 - Harmful if inhaled

H361d - Suspected of damaging the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

H411 - Toxic to aquatic life with long lasting effects

H412 - Harmful to aquatic life with long lasting effects

#### **Legend**

TWA

TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling

Ceiling Limit Value

\*

Skin designation

SVHC

Substance(s) of Very High Concern

PBT

Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB

Very Persistent and very Bioaccumulative (vPvB) Chemicals

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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

## Key literature references and sources for data

No information available

**Prepared By** Product Safety & Regulatory Affairs  
**Revision date** 03-Oct-2023

## Indication of changes

**Revision note** SDS sections updated: 2.  
**Training Advice** When working with hazardous materials, regular training of operators is required by law  
**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**