

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

BOSTIK NON PRESS. PIPE CEMENT Supercedes Date: 14-Oct-2016 Revision Date 29-Sep-2017 Version 1.01

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

1.1. Product Identifier

Product NameBOSTIK NON PRESS. PIPE CEMENTPure substance/mixtureMixture

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

Recommended use	Adhesives, sealants.
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: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation	Category 1 - (H318)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Flammable Liquids	Category 2 - (H225)

2.2. Label Elements

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

Contains Cyclohexanone, Methyl ethyl ketone



Signal Word DANGER

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Hazard statements

H318 - Causes serious eye damage

H336 - May cause drowsiness or dizziness

H225 - Highly flammable liquid and vapour

Special provisions concerning the labelling of certain mixtures

EUH066 - Repeated exposure may cause skin dryness or cracking EUH205 - Contains epoxy constituents. May produce an allergic reaction EUH208 - Contains Bisphenol-A-Epichlorhydrin Epoxy resin (number average molecular weight <=700). . May produce an allergic reaction

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

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P260 - Do not breathe fumes

P271 - Use only outdoors or in a well-ventilated area

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
Methyl ethyl ketone	201-159-0	78-93-3	40 - <80	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)		01-2119457290-43 -XXXX
Cyclohexanone	203-631-1	108-94-1	5 - <10	Acute Tox. 4 (H332) Flam. Liq. 3 (H226) Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)		01-2119453616-35 -XXXX
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	500-033-5	25068-38-6	0.1 - <1	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)		01-2119456619-26 -xxxx

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Full text of H- and EUH-phrases: see section 16 Note: ^ indicates not classifed, 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 >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice	If medical advice is needed, have product container or label at hand.
Inhalation	Remove to fresh air.
Skin Contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.
Eye contact	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. Call a doctor immediately.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Self-Protection of the First Aider	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
4.2. Most important symptoms and	d effects, both acute and delayed
Symptoms	None known.
4.3. Indication of any immediate m	edical attention and special treatment needed
Note to doctors	Treat symptomatically.

Section 5: FIRE-FIGHTING 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.

Unsuitable Extinguishing Media

Use water spray or fog; do not use straight streams

5.2. Special hazards arising from the substance or mixture

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

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.

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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

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for Containment	Dyke far ahead of spill; use dry sand to contain the flow of material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
Methods for cleaning up	Use clean non-sparking tools to collect absorbed material. Dyke far ahead of spill for later disposal.
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

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ ventilating/ lighting/ equipment.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep only in the original container/package in a cool well-ventilated place.

7.3. Specific end use(s)

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
Methyl ethyl ketone	TWA: 200 ppm	TWA: 200 ppm	STEL: 300 ppm
78-93-3	TWA: 600 mg/m ³	TWA: 600 mg/m ³	STEL: 899 mg/m ³
	STEL: 300 ppm	STEL: 300 ppm	TWA: 200 ppm
	STEL: 900 mg/m ³	STEL: 900 mg/m ³	TWA: 600 mg/m ³
		Skin	Skin
Cyclohexanone	TWA: 10 ppm	TWA: 10 ppm	STEL: 20 ppm
108-94-1	TWA: 40.8 mg/m ³	TWA: 40.8 mg/m ³	STEL: 82 mg/m ³
	STEL: 20 ppm	STEL: 20 ppm	TWA: 10 ppm
	STEL: 81.6 mg/m ³	STEL: 81.6 mg/m ³	TWA: 41 mg/m ³

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	S*	Skin	Skin
Derived No Effect Level (DNEI	-) No information available		
Predicted No Effect Concentra (PNEC)	ation No information available.		
8.2. Exposure controls			
Engineering Controls	Ensure adequate ventilati	on, especially in confined areas	
Personal Protective Equipr	nent		
Eye/Face Protection	Tight sealing safety gogg	es. Face protection shield.	
Hand Protection	Wear protective gloves. T and the thickness as well	he breakthrough time of the glovas the temperature.	ves depends on the material
Skin and Body Protection	Antistatic footwear. Wear clothing.	fire/flame resistant/retardant clo	thing. Suitable protective
Respiratory Protection	· 1 · 2	erosol exposure wear suitable per of inadequate ventilation wear	
Recommended filter type:	Organic gases and vapou	rs 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 Appearance Colour Odour Odour Threshold	Liquid Thixotropic No information available Characteristic No information available	
<u>Property</u> pH Melting point / freezing point Boiling Point Flash Point Evaporation Rate	<u>Values</u> No information available No information available 79 °C / 174 °F -9 °C / 16 °F No information available	<u>Remarks • Method</u>
Flammability (solid, gas) Flammability Limit in Air	No information available	Not applicable for liquids
Upper Flammability Limit Lower Flammability Limit	No information available No information available	
Vapour Pressure	No information available	
Vapour Density	No information available	
Relative Density	No information available	
Water Solubility	No information available	
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	
Explosive Limits	No information available	
Upper	No information available	
Lower	No information available	
Oxidising Properties	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
9.2. Other information Softening Point	No information available	

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Molecular Weight Solvent content (%) Solid content (%) Density Bulk Density VOC content (%) No information available No information available No information available 0.90 g/cm³ No data available

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

Keep away from heat, sparks and flames.

10.5. Incompatible materials

Strong acids and bases.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGY 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	No data available.
Eye contact	Corrosive to the eyes and may cause severe damage including blindness.
Skin Contact	No data available.
Ingestion	No data available.
Sensitisation	No data available.

Skin Corrosion/Irritation	Not applicable.
Serious eye damage/eye irritation	Not applicable.
Sensitisation	Not applicable.

United Kingdom, Ireland - BE

Germ Cell Mutagenicity	Not applicable.
Carcinogenicity	Not applicable.
Reproductive Toxicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Target Organ Effects	Central nervous system, Eyes, Kidney, Liver, 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

23,594.00 mg/kg
16,907.00 mg/kg
23.10 mg/l
169.00 mg/l

Component Information

Toxicity Data

Data obtained on the component(s) include

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl ethyl ketone 78-93-3	= 2483 mg/kg (Rat)	= 5000 mg/kg (Rabbit)	= 11700 ppm (Rat)4 h
Cyclohexanone 108-94-1	= 1535 mg/kg(Rat)	= 947 mg/kg (Rabbit)	= 8000 ppm (Rat)4 h
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW 25068-38-6	LD50 (rat) > 2000 mg/kg OECD 420	>2000 mg/Kg (rat)	-

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

No information available

Component Information

Data obtained on the component(s) include

Chemical Name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Methyl ethyl ketone	EC50=1972 mg/l	LC50 96 h 3130 - 3320 mg/L	EC50 48 h > 308 mg/L	
78-93-3	(Pseudokirchneriella	(Pimephales promelas	(Daphnia magna)	
	subcapitata)	flow-through)		
Cyclohexanone	EC50 96 h = 20 mg/L	LC50 96 h 481 - 578 mg/L	EC50 24 h = 800 mg/L	
108-94-1	(Chlorella vulgaris)	(Pimephales promelas	(Daphnia magna)	
		flow-through)		
Bisphenol-A-Epichlorhydrin	EC50 (72h) = 9.4 mg/L	1.2 mg/l 96Hr (Oncorhynchus	2.7 mg/l 48hr Daphia Magna	
Epoxy resin <= 700 MW	(Scenedesmus capricornutum)	mykiss)		
25068-38-6	EPA-660/3-75-009			

12.2. Persistence and degradability

No information available.

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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

Chemical Name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW 25068-38-6	Group III Chemical	

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.
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: TRANSPORTATION INFORMATION

ADR	
14.1 UN/ID no	UN1133
14.2 Proper Shipping Name	Adhesives
14.3 Hazard Class	3
Hazard Labels	3
14.4 Packing Group	III
Description	UN1133, Adhesives, 3, III, (D/E)
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None
Classification Code	F1
Tunnel restriction code	(D/E)
Limited Quantity (LQ)	5 L
ADR Hazard Id (Kemmler	30
Number)	

IMDG

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 14.1 UN/ID no 14.2 Proper Shipping Name 14.3 Hazard Class 14.4 Packing Group Description 14.5 Marine Pollutant 14.6 Special Provisions Limited Quantity (LQ) EmS-No 14.7 Transport in bulk according 	UN1133 Adhesives 3 III UN1133, Adhesives, 3, III, (-9°C c.c.) Np 223, 955 5 L F-E, S-D to Annex II of MARPOL 73/78 and the IBC Code No information available
RID14.1UN/ID no14.2Proper Shipping Name14.3Hazard ClassHazard Labels14.4Packing GroupDescription14.5Environmental HazardClassification Code14.6Special ProvisionsLimited Quantity (LQ)	UN1133 Adhesives 3 3 III UN1133, Adhesives, 3, III Not applicable F1 None 5 L
ICAO (air) 14.1 UN/ID no 14.2 Proper Shipping Name 14.3 Hazard Class 14.4 Packing Group Description 14.5 Environmental Hazard 14.6 Special Provisions	UN1133 Adhesives 3 III UN1133, Adhesives, 3, III Not applicable A3
IATA 14.1 UN/ID no 14.2 Proper Shipping Name 14.3 Hazard Class 14.4 Packing Group Description 14.5 Environmental Hazard 14.6 Special Provisions Limited Quantity (LQ) ERG Code	UN1133 Adhesives 3 III UN1133, Adhesives, 3, III Not applicable A3 10 L 3L

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, 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

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This product does not contain candidate substances of very high concern at a concentration >=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

- H332 Harmful if inhaled
- H226 Flammable liquid and vapour
- H302 Harmful if swallowed
- H312 Harmful in contact with skin
- H315 Causes skin irritation H318 - Causes serious eye damage
- H319 Causes serious eye irritation
- H317 May cause an allergic skin reaction
- H411 Toxic to aquatic life with long lasting effects
- H336 May cause drowsiness or dizziness
- H225 Highly flammable liquid and vapour
- EUH066 Repeated exposure may cause skin dryness or cracking

Legend

SVHC: Substances of Very High Concern for Authorisation:

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWATWA (time-weighted average)STELCeilingMaximum limit value*PBTPersistent, Bioaccumulative, and Toxic (PBT) ChemicalsSTOT (RE):Specific target organ toxicity - Repeated exposureSTOT (SE):Specific target organ toxicity - Single exposureEWC:European Waste Catalogue

STEL (Short Term Exposure Limit) Skin designation

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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	29-Sep-2017
Indication of changes	
Revision Note	Not applicable.
Training Advice	Provide adequate information, instruction, and training for operator
Additional 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