

B.EPTG BEIGE
 Version 1

Revision Date 15-Jul-2016
Supersedes Date: No information available

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

1.1. Product Identifier

Product Name B.EPTG BEIGE
Pure substance/mixture mixture

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use Adhesives.
Uses Advised Against No information available.

1.3. Details of the Supplier of the Safety Data Sheet

Company Name
 Bostik (Shanghai) Management Co., Ltd
 Building 1, No.968 Guanghai Road, Minhang District
 Shanghai, China
 Tel: 021-60763101
 Fax: 021-60763133

Manufacturer
 Bostik India Private Ltd
 124/1 & 124/2A
 Kachanayakanahalli
 Behind Bommasandra Indl.Area
 Off Hosur Road, Hennagara Post,
 Anekal Taluk
 Bangalore - 562106, Karnataka,
 INDIA
 Tel: 0091-80-27833520
 Fax: 00 91-80-27831324
 Email: Bostikinfo.India@bostik.com

Please refer to Section 16 for local affiliate addresses.

1.4. Emergency Telephone Number

Emergency Telephone 0532-8388 9090 (China only)
E-mail address SDS.AP@Bostik.com

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the Substance or Mixture

Acute toxicity - Dermal	Category 4 (6.1D)
Skin Corrosion/Irritation	Category 2 (6.3A)
Serious Eye Damage/Eye Irritation	Category 2B (6.4A ^e)
Skin sensitization	Category 1 (6.5B)
Germ Cell Mutagenicity	Category 2 (6.6B)
Carcinogenicity	Category 2 (6.7B)
Acute aquatic toxicity	Category 2 (9.1D)
Chronic aquatic toxicity	Category 2 (9.1B)

Classification in parenthesis is applicable for New Zealand Hazard Classification

ERMA Group No information available

2.2. Label Elements



Signal Word

WARNING

Safety Data Sheet

B.EPTG BEIGE
Version 1

Revision Date 15-Jul-2016
Supersedes Date: No information available

Hazard statements

H312 - Harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H320 - Causes eye irritation
H341 - Suspected of causing genetic defects
H351 - Suspected of causing cancer
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P281 - Use personal protective equipment as required
P264 - Wash face, hands and any exposed skin thoroughly after handling
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves
P273 - Avoid release to the environment

Precautionary Statements - Response

P321 - Specific treatment (see supplemental first aid instructions on this label)

Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Skin

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P312 - Call a POISON CENTER or doctor if you feel unwell
P362 - Take off contaminated clothing and wash before reuse
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

Eyes

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention

Ingestion

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Spill

P391 - Collect spillage

Precautionary Statements - Storage

P405 - Store locked up

Precautionary Statements - Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other Hazards

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

This product is a mixture. Health hazard information is based on its components.

3.2 Mixtures

Chemical Name	CAS No	Weight-%
Bisphenol-A-Epichlorhydrin Epoxy resin	25068-38-6	10 - 20
n-Butyl glycidyl ether	2426-08-6	1 - 5

*** Any remaining ingredients are not hazardous

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General Advice

If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray.
Do not get in eyes, on skin, or on clothing.

Safety Data Sheet

B.EPTG BEIGE
Version 1

Revision Date 15-Jul-2016
Supersedes Date: No information available

Inhalation	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
Skin Contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Immediate medical attention is not required.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician. Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the First Aider	Use personal protective equipment as required.

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 physicians May cause sensitization of susceptible persons. Treat symptomatically.

4.4. Reference to Other Sections

Reference to Other Sections Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Section 11: TOXICOLOGY INFORMATION.

Section 5: FIRE-FIGHTING 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 In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3. Advice for Firefighters

Special Protective Equipment for Fire-fighters Wear self-contained breathing apparatus and protective suit.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

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

6.2. Environmental Precautions

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do

Safety Data Sheet

B.EPTG BEIGE
Version 1

Revision Date 15-Jul-2016
Supersedes Date: No information available

so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

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 Cover liquid spill with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Avoid creating dust. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

6.4. Reference to other sections

Reference to Other Sections Section 7: HANDLING AND STORAGE
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 contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Use with local exhaust ventilation.

7.2. Conditions for Safe Storage, including any Incompatibilities

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

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

Incompatible Materials No information available

7.3. Specific End Use(s)

Other Information No information available.

7.4. References to Other Sections

Reference to Other Sections Section 13: DISPOSAL CONSIDERATIONS. Section 10: STABILITY AND REACTIVITY.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Limits

Chemical Name	ACGIH TLV	NIOSH IDLH	OSHA PEL	European Union
n-Butyl glycidyl ether 2426-08-6	TWA: 3 ppm S*	IDLH: 250 ppm Ceiling: 5.6 ppm 15 min Ceiling: 30 mg/m ³ 15 min	TWA: 50 ppm TWA: 270 mg/m ³	-

Chemical Name	Australia	China	Japan	Korea	New Zealand
n-Butyl glycidyl ether 2426-08-6	25 ppm 133 mg/m ³	TWA: 60 mg/m ³ STEL: 120 mg/m ³	-	Skin TWA: 10 ppm TWA: 53 mg/m ³	TWA: 25 ppm TWA: 133 mg/m ³

Derived No Effect Level (DNEL) No information available

Safety Data Sheet

B.EPTG BEIGE
Version 1

Revision Date 15-Jul-2016
Supersedes Date: No information available

Predicted No Effect Concentration (PNEC) No information available

Other Information No information available

8.2. Exposure Controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment (PPE)

Eye/Face Protection	Wear safety glasses with side shields (or goggles).
Skin and Body Protection	Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
Hand Protection	Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
Respiratory Protection	No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended.
General Hygiene Considerations	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

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

Appearance	Paste
Color	Beige
Odor	Solvent
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point	No information available	
Flash Point	> 150 °C / > 302 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	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	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other Information

Softening Point	No information available
Molecular Weight	No information available
Solvent Content (%)	No information available
Solid Content (%)	100
Density	2.1 g/cm ³
Bulk Density	No information available

Safety Data Sheet

B.EPTG BEIGE
Version 1

Revision Date 15-Jul-2016
Supersedes Date: No information available

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Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity None under normal use conditions.

10.2. Chemical Stability

10.3. Possibility of Hazardous Reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization None under normal processing.

10.4. Conditions to Avoid

Conditions to Avoid Heat, flames and sparks.

10.5. Incompatible Materials

Incompatible Materials No information available.

10.6. Hazardous Decomposition Products

Hazardous Decomposition Products None under normal use conditions.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation No Data Available.
Eye contact No Data Available.
Skin Contact No Data Available.
Ingestion No Data Available.

Numerical measures of toxicity

Unknown acute toxicity

10 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
95.10961 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
98.90961 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
98.90961 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
16.91096 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Bisphenol-A-Epichlorhydrin Epoxy resin 25068-38-6	= 11400 mg/kg (Rat)	-	-
n-Butyl glycidyl ether 2426-08-6	= 2050 mg/kg (Rat) = 1660 mg/kg (Rat)	> 2150 mg/kg (Rat) = 2520 µL/kg (Rabbit) = 788 mg/kg (Rabbit)	= 2590 ppm (Rat) 4 h

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Skin Corrosion/Irritation No information available.
Serious Eye Damage/Eye Irritation No information available.
Sensitization No information available.
Germ Cell Mutagenicity No information available.
Reproductive Toxicity No information available.

Safety Data Sheet

B.EPTG BEIGE
Version 1

Revision Date 15-Jul-2016
Supersedes Date: No information available

STOT - Single Exposure No information available.
STOT - Repeated Exposure No information available.
Target Organ Effects Blood, Central nervous system, Eyes, Lungs, Respiratory system, Skin.
Aspiration Hazard No information available.
Carcinogenicity The following substance(s) are classified in Annex VI CLP (1272/2008) as carcinogenic.

IARC (International Agency for Research on Cancer) *Group 1 - Carcinogenic to Humans Group 2B - Possibly Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in Humans*

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Product Information

Toxic to aquatic life with long lasting effects.

Component Information

Data obtained on the component(s) include

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Bisphenol-A-Epichlorhydrin Epoxy resin 25068-38-6	-	1.2 mg/l 96Hr (Oncorhynchus mykiss)	2.7 mg/l 48hr Daphia Magna

12.2. Persistence and Degradability

No information available.

12.3. Bioaccumulative Potential

No information available.

12.4. 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 Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
Bisphenol-A-Epichlorhydrin Epoxy resin	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 Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORTATION INFORMATION

Safety Data Sheet

B.EPTG BEIGE
Version 1

Revision Date 15-Jul-2016
Supersedes Date: No information available

IMDG

UN/ID No UN3077
Proper Shipping Name Environmentally hazardous substance, solid, n.o.s. (Epoxide Derivatives, n-Butyl glycidyl ether), Marine Pollutant
Hazard Class 9
Packing Group III
EmS-No F-A, S-F
Special Provisions 274, 335, 966, 967, 969
Limited Quantity (LQ) 5 kg
Description UN3077, Environmentally hazardous substance, solid, n.o.s. (Epoxide Derivatives, n-Butyl glycidyl ether), 9, III, Marine Pollutant

IATA

UN/ID No UN3077
Proper Shipping Name Environmentally hazardous substance, solid, n.o.s. (Epoxide Derivatives, n-Butyl glycidyl ether)
Hazard Class 9
Packing Group III
ERG Code 9L
Limited Quantity (LQ) 30 kg G
Special Provisions A158, A179, A97, A197
Description UN3077, Environmentally hazardous substance, solid, n.o.s. (Epoxide Derivatives, n-Butyl glycidyl ether), 9, III

ADR

UN/ID No UN3077
Proper Shipping Name Environmentally hazardous substance, solid, n.o.s. (Bisphenol-A-Epichlorhydrin Epoxy resin, n-Butyl glycidyl ether)
Hazard Class 9
Hazard Labels 9
Packing Group III
Description UN3077, Environmentally hazardous substance, solid, n.o.s. (Bisphenol-A-Epichlorhydrin Epoxy resin, n-Butyl glycidyl ether), 9, III
Environmental Hazard yes
Limited Quantity (LQ) 5 kg
Special Provisions 274, 335, 601, 375
Classification Code M7
Tunnel Restriction Code E

Section 15: REGULATORY INFORMATION

National Regulations

China

Not applicable

Japan

This product contains the following Class 1 and Class 2 Designated Chemical Substances per Japan PRTR Law.

Chemical Name	Weight-%	Japan - Pollutant Release Transfer Register (PRTR) - Class 1 Substances
n-Butyl glycidyl ether 2426-08-6	1 - 5	X

Korea

K-REACH/chemical control act(CCA)

This product contains the following substance(s)

Safety Data Sheet

B.EPTG BEIGE
Version 1

Revision Date 15-Jul-2016
Supersedes Date: No information available

Chemical Name	Weight-%	Korea - MOE - K-REACH/CCA - Toxic Substances	Korea - MOE - K-REACH/CCA - Prohibited Substances	Korea - MOE - K-REACH/CCA - Restricted Substances	Korea - MOE - Chemicals Control Act (CCA) - Accident Precaution Chemicals	Korea - MOE - K-REACH - Existing Substances Subject to Registration
Bisphenol-A-Epichlorhydrin Epoxy resin 25068-38-6	10 - 20					O
n-Butyl glycidyl ether 2426-08-6	1 - 5					O

International Regulations

Europe

Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation.

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)

Section 16: OTHER INFORMATION

Local Contacts

Bostik Korea, Ltd.
6F, 21
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Yao, Osaka
Japan
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Bostik India Private Ltd
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Kachanayakanahalli
Behind Bommasandra Indl.Area
Off Hosur Road, Hennagara Post,
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Bostik Findley (Malaysia) Sdn. Bhd
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Fax: 65-6863-4077
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Jl. HR Rasuna Said
Jakarta Indonesia 12920
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Fax: 62 21 521 0554

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Bang-na, Bangkok
Tel: 02-361 6460-7
Fax: 02-361 6469
Bostik Vietnam Company Limited
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BinhDuong Province. Viet Nam.
Tel: 84 650 3765105
Fax: 84 650 3765109

Bostik Phillippines, Inc.
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Ortigas Business Center,
Pasig city, Phillippines
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Fax: 632-900-5622

Safety Data Sheet

B.EPTG BEIGE
Version 1

Revision Date 15-Jul-2016
Supersedes Date: No information available

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51-71 High street,
Thomastown Victoria, Australia
Tel: 613 9279-9333
Fax: 613 9279-9342
24-hr Emergency: 1800 033 111
Bostik New Zealand Limited
19 Eastern Hutt Road Wingate,
Lower Hutt, New Zealand
Tel: 04-567 5119
Fax: 04-567 5412
24-hr Emergency: 0800 243 622

Jiangsu Bositk Adhesive Co.,Ltd
No.15-9, Xinggong Road, Changshu
Enconomic Development Zone
Jiangsu Province 215536
Tel: 0086-512-52266000
Fax: 0086-512-52266020

Bostik Findley (China) Adhesive Ltd
No.75, Xin Zhuang 2 Road, Yong He
District, GETDD
Guangzhou, China 511356
Tel: 020-8297 5266
Fax: 020-8297 5277

Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

No information available

Key Literature References and Sources for Data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision Date 15-Jul-2016

Revision Note Not applicable.

Training Advice No information available

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 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