

This safety data sheet was created pursuant to the requirements of:
 GHS: The Globally Harmonized System of Classification and Labeling of Chemicals

EL KAPITAN MARINE EPOXY SET
 Revision Number 1.01

Revision Date: 25-Sep-2020
Supersedes Date: 25-Sep-2020

1. Identification

Product identifier

Product Name EL KAPITAN MARINE EPOXY SET
Pure substance/mixture Mixture

Details of the supplier of the safety data sheet

Responsible Party	Manufacturer
Bostik (Shanghai) Management Co., Ltd Building 1, No.968 Guanghua Road, Minhang District Shanghai, China Tel: 021-60763101 Fax: 021-60763133	Bostik Phillippines, Inc. 35/F Raffles Corporate Center, F. Ortigas Jr. Road Ortigas Business Center, Pasig city, Phillippines Tel: 632-900-5656 Fax: 632-900-5622

See section 16 for more information.

E-mail address SDS.AP@Bostik.com

Emergency telephone number

Emergency Telephone 0532-8388 9090 (China only)

Recommended use of the chemical and restrictions on use

Recommended use Adhesive
Restrictions on use No information available

2. Hazard(s) identification

Classification of the substance or mixture

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Skin sensitization	Category 1
Hazardous to the Aquatic Environment - Chronic Hazard	Category 3

Label elements



Signal word Warning

Hazard statements

H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H320 - Causes eye irritation
 H412 - Harmful to aquatic life with long lasting effects

Precautionary statements

Prevention

P264 - Wash face, hands and any exposed skin thoroughly after handling
 P280 - Wear protective gloves
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

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P272 - Contaminated work clothing should not be allowed out of the workplace
P273 - Avoid release to the environment
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P362 + P364 - Take off contaminated clothing and wash it before reuse
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
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

Disposal

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

Other hazards

No information available.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No	Weight-%
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	25068-38-6	10 - <20
Free amines	--	1 - <5

*** Any remaining ingredients are not hazardous

4. First-aid measures

Description of necessary first aid measures

General advice Show this safety data sheet to the doctor in attendance.
Inhalation Get medical attention immediately if symptoms occur. Remove to fresh air.
Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention if irritation develops and persists. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.
Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Most important symptoms/effects, acute and delayed Itching. Rashes. Hives.

For emergency responders Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

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

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous combustion Carbon dioxide (CO₂). Hydrogen chloride. Silicon oxides.

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products

Special protective actions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Other information Refer to protective measures listed in Sections 7 and 8.
For emergency responders Use personal protection recommended in Section 8.

Environmental precautions Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

Precautions to prevent secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety practice. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. See Section 8 for information on appropriate personal protective equipment.

Conditions for safe storage, including any incompatibilities Store locked up. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

Occupational exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological occupational exposure limits

No data available

Monitoring and observation processes

No applicable information was found.

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear safety glasses with side-shields. None required for consumer use.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Hand protection Wear suitable gloves. Impervious gloves.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are

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General hygiene considerations

exceeded or irritation is experienced, ventilation and evacuation may be required.
Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Very viscous
Color	Beige
Physical state	Liquid
Odor	Slight Resinous
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Boiling point / boiling range	No data available	
Flash point	No data available	
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	
Vapor density	No data available	
Relative density	No data available	
Water solubility	No data available	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	

Additional information

Oxidizing properties	No information available
Solid content (%)	No information available
VOC Content (%)	No information available
Density	No information available

10. Stability and reactivity

Stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Conditions to avoid None known based on information supplied.

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

Hazardous decomposition products None under normal use conditions.

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11. Toxicological information

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Irritating to eyes. (based on components). Specific test data for the substance or mixture is not available. Causes eye irritation.
Skin contact	May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Acute Toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal) 24,587.50 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	LD50 (Rattus) > 2000 mg/kg OECD 420	>2000 mg/Kg (Rattus)	-
Free amines	-	LD50 550-805 mg/Kg (Oryctolagus cuniculus)	-

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. Irritating to eyes.
Respiratory or skin sensitization	May cause sensitization by skin contact.
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.
Specific target organ toxicity (single exposure)	Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	EC50 (72h) = 9.4 mg/L (Scenedesmus capricornutum)	1.2 mg/l 96Hr (Oncorhynchus mykiss)	2.7 mg/l 48hr Daphia Magna

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Free amines	EPA-660/3-75-009 ECr50 (72h)= 2.5 mg/L (Scenedesmus subspicatus) (DIN 38412 Part 9)	LC50 (96h) =570 mg/L (Poecilia reticulata) (OECD 203)	EC50 (24h) = 31.1 mg/L (Daphnia magna)
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Persistence and degradability No information available.

Bioaccumulative potential No information available.

Component Information

Chemical name	Partition coefficient
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	3.26

Chemical name	PBT and vPvB assessment
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW 25068-38-6	The substance is not PBT / vPvB

Mobility in soil No information available.

13. Disposal considerations

Waste chemicals Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

IMDG Not regulated

IATA Not regulated

ADR Not regulated

Special precautions for user

Please refer to the applicable dangerous goods regulations for additional information

15. Regulatory information

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

National regulations

Malaysia

- Chemical classification, Labelling and Safety Data Sheets Regulation, 2013(CLASS)
- Industry Code Of Practice 2014 (ICOP)

Indonesia

- Regulation no. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals, as amended by 23/M-IND/PER/4/2013

Singapore

- SS 586:2014

Vietnam

- Circular 04/2012/TT-BCT dated 13/02/2012

Philippines

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• Rules and Procedures for the Safety Data Sheet (SDS), Labeling Requirements and Hazards classification under DENR Administrative Order No. 29, series of 1992 of Republic Act 6969

Chemical Control Order

Not applicable

Priority Chemical List (PCL)

Not applicable

Thailand

• Hazard Classification and Communication System of Hazardous Substance B.E. 2555 (2012)

The Hazardous Substance Act B.E. 2556 (2013)

Not applicable

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

Europe

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorization:

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)

2011/65/EU - RoHS

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation

16. Other information

Local Contacts

Bostik Findley (Malaysia) Sdn. Bhd Lot 112 & 113, Kawasan Perindustrian senawang, seremban, negeri sembilan, Malaysia Tel: 606-6789788 Fax: 606-6789766	Bostik Asia Pacific 1 Science Park Road, #04-01/05 West Wing, The Capricorn, Singapore Science Park II, Singapore 117528 Tel: +65-6419-9161 Fax: +65-6419-9150	Bostik (Thailand) Co., Ltd 1/32 Bang-na Thani Tower 16th A Floor. Soi Bangna-Trad 34, Bangna-Trad rd. Bang-na, Bangkok Tel: 02-361 6460-7 Fax: 02-361 6469
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Bostik India Private Ltd	Jiangsu Bositk Adhesive Co.,Ltd No.15-9, Xinggang Road, Changshu	Bostik Findley (China) Co.,Ltd No.75, Xin Zhuang 2 Road, Yong He

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Revision note The symbol (*) in the margin of this SDS indicates that this line has been revised.

Abbreviations and acronyms

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Disclaimer

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End of Safety Data Sheet