Sika Boom®

Revision Date 29.08.2019



1. PRODUCT AND COMPANY IDENTIFICATION

Product name	E Sika Boom [®]
Product code	: 000000117321
Type of product	: liquid
Recommended use of the of Product use	chemical and restrictions on use : Polyurethane foam
Manufacturer or supplier's	details
Company	: Sika India Private Ltd. Unit 501-502, B- Wing, 5th floor Lotus Corporate Park Off Western Express Highway Goregaon East Mumbai 400 063
Telephone E-mail address Emergency telephone num- ber	: +9122 6270 4038 : ehs.india@in.sika.com

2. HAZARDS IDENTIFICATION

Manufacture, Storage and Import of Hazardous Chemicals Rules 1989

Classification	
Flammable gas	
GHS Classification	
Aerosols	: Category 1
Acute toxicity (Inhalation)	: Category 5
Skin corrosion/irritation	: Category 2
Serious eye damage/eye irri- tation	: Category 2A
Respiratory sensitisation	: Category 1
Skin sensitisation	: Category 1
Carcinogenicity	: Category 2
Specific target organ toxicity - single exposure	: Category 3 (Respiratory system)
Specific target organ toxicity - repeated exposure (Inhalation)	: Category 2

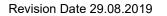
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GHS label elements Hazard pictograms	
Signal word	: Danger
Hazard statements	 H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H333 May be harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure if inhaled.
Precautionary statements	 P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. Prevention: P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection / hearing protection. P284 Wear respiratory protection. P284 Wear respiratory protection. P284 Wear respiratory protection. P302 + P352 IF ON SKIN: Wash with plenty of water. P304 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303 + P313 IF exposed or concerned: Get medical advice/ attention. P337 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse.

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. **Disposal:** P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

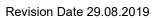
Hazardous components

Chemical name	CAS-No.	Concentration (%)
Diphenylmethanediisocyanate, isomeres and	9016-87-9	>= 10 - < 20
homologues		
isobutane	75-28-5	>= 1 - < 10
propane	74-98-6	>= 1 - < 10
tris(2-chloro-1-methylethyl) phosphate	13674-84-5	>= 1 - < 10

4. FIRST AID MEASURES

General advice	С	love out of dangerous area. consult a physician. how this safety data sheet to the doctor in attendance.
If inhaled	: M	love to fresh air.
In case of skin contact	W	ake off contaminated clothing and shoes immediately. /ash off with soap and plenty of water. symptoms persist, call a physician.
In case of eye contact	R K	nmediately flush eye(s) with plenty of water. Temove contact lenses. Teep eye wide open while rinsing. eye irritation persists, consult a specialist.
If swallowed	D N	lean mouth with water and drink afterwards plenty of water. To not give milk or alcoholic beverages. lever give anything by mouth to an unconscious person. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	Se A C R A E D S	ritant effects ensitising effects sthmatic appearance cough tespiratory disorder llergic reactions xcessive lachrymation ermatitis ee Section 11 for more detailed information on health effects nd symptoms.

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Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May be harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficul-
ties if inhaled.
May cause respiratory irritation.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure if inhaled.

Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Unsuitable extinguishing media	: Water
Hazardous combustion prod- ucts	: No hazardous combustion products are known
Specific extinguishing meth- ods	: Use water spray to cool unopened containers.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	: Use personal protective equipment. Deny access to unprotected persons.
Environmental precautions	: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Allow to solidify, use mechanical handling equipment.

7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on a naked flame or any incandescent material. Take precautionary measures against electrostatic discharges.
Advice on safe handling	:	Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing.

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	For personal protection see section 8. Persons with a history of skin sensitisation problems or asth- ma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the ap- plication area. Take precautionary measures against static discharge. Open drum carefully as content may be under pressure. Follow standard hygiene measures when handling chemical products
Conditions for safe storage :	BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Store in original container. Keep in a well-ventilated place. Observe label precautions. Store in accordance with local regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
isobutane	75-28-5	STEL	1,000 ppm	ACGIH
Personal protective equipmer	nt			
Respiratory protection	tilation is prov exposures are The filter class imum expecte (gas/vapour/a dling the prod	ided or exposure within recomme s for the respirat ed contaminant c erosol/particulat	es) that may arise wh ntration is exceeded,	strates that elines. or the max- nen han-
Hand protection	proved standa	ard should be wo	s gloves complying w orn at all times when l ressment indicates th	handling
Eye protection			h an approved standa ent indicates this is n	
Skin and body protection	Choose body protection in relation to its type, to the concen- tration and amount of dangerous substances, and to the spe- cific work-place.			
Hygiene measures	practice.	o not eat or drin	od industrial hygiene ĸ.	and safety

Components with workplace control parameters

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Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	various
Odour	:	slight
Odour Threshold	:	No data available
рН	:	Not applicable
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability	:	Extremely flammable aerosol.
Upper explosion limit	:	Upper flammability limit 26.2 %(V)
Lower explosion limit	:	Lower flammability limit 1.5 %(V)
Vapour pressure	:	5,500 - 6,000 hPa (4,125 - 4,500 mmHg)
Relative vapour density	:	No data available
Density	:	ca. 1 g/cm3 (20 °C (68 °F) ())
Solubility(ies) Water solubility	:	insoluble
Partition coefficient: n- octanol/water	:	No data available
Auto-ignition temperature	:	> 230 °C (> 446 °F)
Decomposition temperature	:	No data available
Viscosity Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Explosive properties	:	No data available

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Molecular weight

: No data available

10. STABILITY AND REACTIVITY		
Reactivity	: No dangerous reaction known under conditions of normal use.	
Chemical stability	: The product is chemically stable.	
Possibility of hazardous reac- tions	: Stable under recommended storage conditions.	
Conditions to avoid	: Heat, flames and sparks.	
Incompatible materials	: Strong oxidizing agents	
No decomposition if stored and	applied as directed.	

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

May be harmful if inhaled.

Diphenylmethanediisocyanate, isomeres and homologues:

Acute oral toxicity	: LD50 Oral (Rat): > 10,000 mg/kg
Acute inhalation toxicity	: Acute toxicity estimate: 1.5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : LD50 Dermal (Rabbit): > 9,400 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction. Respiratory sensitisation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Not classified based on available information.

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STOT - single exposure

May cause respiratory irritation.

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure if inhaled.

Aspiration toxicity

Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Diphenylmethanediisocyanate, isomeres and homologues:

Toxicity to fish	: LC50 (Brachydanio rerio (zebrafish)): > 1,000 mg/l Exposure time: 96 h
Toxicity to algae	: EC50 (Desmodesmus subspicatus (green algae)): > 1,640 mg/l Exposure time: 72 h

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological infor- : There is no data available for this product. mation

13. DISPOSAL CONSIDERATIONS

Disposal methods Waste from residues : Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION

International Regulations

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UNRTDG UN number Proper shipping name Class Packing group Labels	 UN 1950 AEROSOLS 2.1 Not assigned by regulation 2.1 	
IATA-DGR UN/ID No. Proper shipping name Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)	 UN 1950 Aerosols, flammable 2.1 Not assigned by regulation Flammable gas 203 203 	
IMDG-Code UN number Proper shipping name	: UN 1950 : AEROSOLS	
Class Packing group Labels EmS Code Marine pollutant	 2.1 Not assigned by regulation 2.1 F-D, S-U no 	

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

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

International Chemical Weapons Convention (CWC) : Not applicable Schedules of Toxic Chemicals and Precursors

16. OTHER INFORMATION

Date format

: dd.mm.yyyy

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.