

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

1 Identification of the substance/mixture and of the company/undertaking

Product identifier**Trade name** weberepox easy (India)_hardener**Safety data sheet no.:** XXP014656-b**Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the mixture Construction chemicals**Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Saint-Gobain India Pvt. Ltd.

Sigapi Achi Building, Floor no. 7

18/3 Rukmini Lakshmipathy Road, Egmore

Chennai- 600008

Tamil Nadu, India.

Phone: +912240212121

Emergency telephone number:

+912240212121(Board line number)

In case of emergency: +918451931666, +919324391824

2 Hazards identification

Classification of the substance or mixture

corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Sens. 1 H317 May cause an allergic skin reaction.

Label elements**GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms

GHS05 GHS07 GHS09

Signal word Danger

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Hazard-determining components of labelling:

Fatty acids, C18-unsatd., dimers, oligomeric reaction products with fatty acids, C16-18 and C18-unsatd., branched and linear and triethylenetetramine
3-aminomethyl-3,5,5-trimethylcyclohexylamine
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Hazard statements

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362 Take off contaminated clothing.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

The product contains silica sand with less than 1% of fine fraction and therefore is not classified as hazardous; however, pay attention when handling and follow the indications relating to personal protective equipment.

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.
vPvB: Does not contain vPvB substances.

3 Composition/information on ingredients

Chemical characterisation: Mixtures

Description: Mixture of substances listed below with non hazardous additions.

Dangerous components:

CAS: 157707-72-7 NLP: 500-381-8	Fatty acids, C18-unsatd., dimers, oligomeric reaction products with fatty acids, C16-18 and C18-unsatd., branched and linear and triethylenetetramine ⚠ Skin Corr. 1A, H314; Eye Dam. 1, H318; ⚠ Skin Sens. 1, H317; Aquatic Acute 3, H402; Aquatic Chronic 3, H412	25-50%
CAS: 38640-62-9 EINECS: 254-052-6	Bis(isopropyl)naphthalene ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 5, H303; Acute Tox. 5, H313	5-10%
CAS: 100-51-6 EINECS: 202-859-9	Benzyl alcohol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319; Acute Tox. 5, H313	2-5%
CAS: 2855-13-2 EINECS: 220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412	2-5%

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CAS: 38294-64-3 NLP: 500-101-4	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Skin Sens. 1, H317; Aquatic Acute 3, H402; Aquatic Chronic 3, H412	1-2%
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SVHC Void

Additional information

The product contains silica sand composed of quartz (crystalline silica) with a fine fraction below 1%. The respirable fraction has an occupational exposure limit value (cf. section 8).
For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

Description of first aid measures

General information

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

Immediately remove any clothing soiled by the product.

After inhalation Supply fresh air and to be sure call for a doctor.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

After swallowing Drink plenty of water and provide fresh air. Call for a doctor immediately.

Information for doctor

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

Extinguishing media

Suitable extinguishing agents

Use fire extinguishing methods suitable to surrounding conditions.

Special hazards arising from the substance or mixture

No further relevant information available.

Advice for firefighters

Protective equipment:

Use methods suitable to surrounding conditions.

Wear fully protective suit.

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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow product to reach sewage system or any water course.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.

Prevent any seepage into the ground.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Keep container tightly sealed.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:

DNELs

CAS: 38640-62-9 Bis(isopropyl)naphthalene

Oral	Derived No Effect Level	2.1 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	4.3 mg/kgxday (worker systemic long term value)
		2.1 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	30 mg/m ³ (worker systemic long term value)

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		7.4 mg/m ³ (consumer systemic long term value)
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Oral	Derived No Effect Level	0.526 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	0.073 mg/m ³ (worker local short term value)
		0.073 mg/m ³ (worker local long term value)
CAS: 38294-64-3 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Dermal	Derived No Effect Level	0.14 mg/kgxday (worker systemic long term value)
		0.05 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	0.98 mg/m ³ (worker systemic long term value)
		0.18 mg/m ³ (consumer systemic long term value)
PNECs		
CAS: 38640-62-9 Bis(isopropyl)naphthalene		
Predicted No Effect Concentration		0.187 mg/kgxdwt (earth rating factor)
Predicted No Effect Concentration		0.000026 mg/l (sea water rating factor)
		0.00026 mg/l (fresh water rating factor)

CAS No. Designation of material % Type Value Unit

Additional Occupational Exposure Limit Values for possible hazards during processing:

Quartz respirable dust (< 5 µm) : 0,15 mg/m³

Additional information:

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A2/P2.

Protection of hands: Protective gloves.

For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR

Nitrile rubber, NBR

Eye protection: Tightly sealed goggles

Body protection: Protective work clothing.

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9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Gel-like
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	>200 °C

Flash point: >120 °C

Flammability (solid, gas): Not applicable.

Ignition temperature: >350 °C

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Oxidising properties: Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 1.4-1.5 g/cm³

Bulk density: Not applicable.

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with

Water: Not miscible or difficult to mix

Segregation coefficient (n-octanol/water) log

Pow: Not determined.

Viscosity:

dynamic:	Not determined.
kinematic at 20 °C:	400,000 mm ² /s

Solvent separation test: Not determined

Solvent content:

Organic solvents:	0.0 %
EU-VOC (%)	3.60 %
EU-VOC (g/L)	50.4-54 g/l

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Other information

No further relevant information available.

10 Stability and reactivity

Reactivity Not reactive under normal conditions of use

Chemical stability Stable at recommended storage conditions

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:

Components	Type	Value	Species
CAS: 38640-62-9 Bis(isopropyl)naphthalene			
Oral	LD50	>4,000 mg/kg	(Rat)
Dermal	LD50	>4,500 mg/kg	(Rat)
CAS: 100-51-6 Benzyl alcohol			
Oral	LD50	1,580 mg/kg	(Mouse)
Dermal	LD50	>2,000 mg/kg	(Rabbit)
Inhalative	LC50/4 h	4,178 mg/l	(Rat)
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine			
Oral	LD50	1,030 mg/kg	(Rat)
Dermal	LD50	>2,000 mg/kg	(Rat)

Primary irritant effect:

Skin corrosion/irritation

Irritant to skin and mucous membranes.

Strong caustic effect on skin and mucous membranes.

No irritant effect known.

Serious eye damage/irritation

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

Respiratory or skin sensitisation Sensitisation possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

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12 Ecological information

Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects (H412).

Type of test Effective concentration Method Assessment

CAS: 38640-62-9 Bis(isopropyl)naphthalene

LC50/96h	0.5 mg/l (Fish)
EC50/48h	0.16 mg/l (Daphnia magna)
NOEC (72h)	0.15 mg/l (Algae)
NOEC (21d)	0.013 mg/l (Daphnia magna)

CAS: 100-51-6 Benzyl alcohol

LC50/48h	645 mg/l (Leuciscus idus (Orfe))
LC50/96h	10 mg/l (Lepomis macrochirus (Sunfish)) 460 mg/l (Pimephales promelas (Minnow))
EC50/24h	400 mg/l (Daphnia magna)
EC50/96h	400 mg/l (Daphnia magna) 640 mg/l (Scenedesmus quadricauda (Algae))
EC 10	400 mg/l (Pseudomonas putida (Bacteria))

CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

LC50/96h	110 mg/l (Brachydanio rerio (zebra danio))
EC50/24h	42 mg/l (Daphnia magna)
EC50/48h	23 mg/l (Daphnia magna)
EC50/72h	37 mg/l (Scenedesmus subspicatus (Algae))
EC 10	1,120 mg/l (Pseudomonas putida (Bacteria))
EC 10/18h	1,120 mg/l (Pseudomonas putida (Bacteria))

Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential

CAS: 100-51-6 Benzyl alcohol

EBAB	1.1 log Pow (Bioaccumulation)
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CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

EBAB	0.79 log Pow
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Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Harmful to fish

Behaviour in sewage processing plants:

Type of test Effective concentration Method Assessment

CAS: 100-51-6 Benzyl alcohol

EC 50 (3h)	79 mg/l (Scenedesmus quadricauda (Algae))
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Other information:

CAS: 100-51-6 Benzyl alcohol

BSB (5) 1,550 mg O2/g

Additional ecological information:

General notes:

Danger to drinking water if even small quantities leak into the ground.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number

ADR, IMDG, IATA

UN2735

UN proper shipping name

ADR

2735 AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE, ISOPHORONEDIAMINE), ENVIRONMENTALLY HAZARDOUS

IMDG

AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE, ISOPHORONEDIAMINE), MARINE POLLUTANT

IATA

AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE, ISOPHORONEDIAMINE)

Transport hazard class(es)

ADR



Class

8 (C7) Corrosive substances.

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Label	8
IMDG	
	
Class	8 Corrosive substances.
Label	8
IATA	
	
Class	8 Corrosive substances.
Label	8
Packing group	
ADR, IMDG, IATA	III
Environmental hazards:	
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
Special precautions for user	Warning: Corrosive substances.
Danger code (Kemler):	80
EMS Number:	F-A,S-B
Segregation groups	Alkalis
Stowage Category	A
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	E
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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UN "Model Regulation":UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S.
(ISOPHORONEDIAMINE, ISOPHORONEDIAMINE),
8, III, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

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

Regulation (EC) No 1272/2008 (CLP)

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Directive 2004/42/CE (VOC), cf. section 9

GHS label elements

cf. section 2

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



GHS05 GHS07 GHS09

Signal word Danger

Hazard-determining components of labelling:

Fatty acids, C18-unsatd., dimers, oligomeric reaction products with fatty acids, C16-18 and C18-unsatd., branched and linear and triethylenetetramine

3-aminomethyl-3,5,5-trimethylcyclohexylamine

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Hazard statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362 Take off contaminated clothing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category

Hazardous to the Aquatic Environment

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E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.

H303 May be harmful if swallowed.

H312 Harmful in contact with skin.

H313 May be harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

H402 Harmful to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS: Research & Development**Contact:**

S. Nagaraju

Phone: +918451931666

e-mail: nagaraju.s@saint-gobain.com

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 5: Acute toxicity – Category 5

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

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Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.

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