

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

1.1. Product identifier

Product form : Mixture
Trade name : EPOMIT-H COMPONENT A

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : Antiacid epoxy resin mortar

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Proyectos de Aplicación y Técnicas Constructivas, S.L.
C/ de la Riera, 15
08440 Cardedeu - Spain
T 93 845 40 52 - F 93 845 40 51
info@proaplitec.com - www.proaplitec.com

Manufacturer

IMREPOL, S. L.
C/ Ecuador, s/n, Edificio l'Espill
08402 Granollers (Barcelona) - Spain
T 93 879 39 21 - F 93 879 39 24
info@imrepol.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Irrit. 2 H315
Eye Irrit. 2 H319
Skin Sens. 1 H317
STOT RE 2 H373
Aquatic Chronic 3 H412

Full text of H-statements: see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

GHS08

Signal word (CLP) :

Warning

Hazardous ingredients:

: 2,3-epoxypropyl neodecanoate, reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight \leq 700), Quartz (SiO₂)

Hazard statements (CLP) :

: H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H373 - May cause damage to organs through prolonged or repeated exposure (if inhaled)
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) :

: P260 - Do not breathe vapours, dust
P280 - Wear protective gloves, eye protection, face protection, protective clothing
P302+P352 - IF ON SKIN: Wash with plenty of water and soap
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EPOMIT-H COMPONENT A

Safety Data Sheet

according to Regulation (EU) No. 2015/830

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : The International Agency for Research on Cancer classifies respirable crystalline silica (RCS) in the form of quartz or cristobalite in the workplace as a human carcinogen. Group 1 (IARC).
RCS content is less than 4% w / w.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quartz (SiO ₂)	(CAS No) 14808-60-7 (EC no) 238-878-4	40 - 50	STOT RE 2, H373
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	(CAS No) 25068-38-6 (EC no) 500-033-5 (EC index no) 603-074-00-8 (REACH-no) 01-2119456619-26	10 - 20	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
2,3-epoxypropyl neodecanoate	(CAS No) 26761-45-5 (EC no) 247-979-2 (REACH-no) 01-211943159 7-33	1 - 5	Skin Sens. 1, H317 Aquatic Chronic 2, H411
benzyl alcohol	(CAS No) 100-51-6 (EC no) 202-859-9 (EC index no) 603-057-00-5 (REACH-no) 01-2119492630-38	2 - 3	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319

Specific concentration limits:

Name	Product identifier	Specific concentration limits
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700)	(CAS No) 25068-38-6 (EC no) 500-033-5 (EC index no) 603-074-00-8 (REACH-no) 01-2119456619-26	(C >= 5) Skin Irrit. 2, H315 (C >= 5) Eye Irrit. 2, H319

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. Specific treatment. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes damage to organs (Inhalation).

Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Under fire conditions, hazardous fumes will be present.

EPOMIT-H COMPONENT A

Safety Data Sheet

according to Regulation (EU) No. 2015/830

5.3. Advice for firefighters

- Precautionary measures fire : Exercise caution when fighting any chemical fire.
- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Collect all waste in suitable and labelled containers and dispose according to local legislation.

6.4. Reference to other sections

See Heading 8. Exposure controls/personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing vapours, dust.
- Hygiene measures : Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Heat sources. Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2,3-epoxypropyl neodecanoate (26761-45-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1,4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1,965 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	1,1 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1 mg/m ³
Long-term - systemic effects, dermal	0,7 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,0035 mg/l
PNEC aqua (marine water)	0,00035 mg/l
PNEC aqua (intermittent, freshwater)	0,035 mg/l
PNEC (STP)	
PNEC sewage treatment plant	50 mg/l
benzyl alcohol (100-51-6)	
DNEL/DMEL (Workers)	

EPOMIT-H COMPONENT A

Safety Data Sheet

according to Regulation (EU) No. 2015/830

benzyl alcohol (100-51-6)	
Acute - systemic effects, dermal	47 mg/kg bodyweight/day
Acute - systemic effects, inhalation	450 mg/m ³
Long-term - systemic effects, dermal	9,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	90 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	29 mg/kg bodyweight
Acute - systemic effects, inhalation	40 mg/m ³
Acute - systemic effects, oral	25 mg/kg bodyweight
Long-term - systemic effects, oral	5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	8,11 mg/m ³
Long-term - systemic effects, dermal	5,7 mg/kg bodyweight/day
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	e 8,3 mg/kg bodyweight/day
Acute - systemic effects, inhalation	12,3 mg/m ³
Long-term - systemic effects, dermal	8,3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	12,3 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	3,6 mg/kg bodyweight
Acute - systemic effects, inhalation	0,75 mg/m ³
Acute - systemic effects, oral	0,75 mg/kg bodyweight
Long-term - systemic effects, oral	0,75 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,75 mg/m ³
Long-term - systemic effects, dermal	3,6 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	3 µg/l
PNEC aqua (marine water)	0,3 µg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,5 mg/kg
PNEC sediment (marine water)	0,5 mg/kg
PNEC (Soil)	
PNEC soil	0,05 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l
PNEC (additional information)	
Realease (intermittent release)	0.013 mg/l

8.2. Exposure controls

Appropriate engineering controls	: Apply commons safety rules for chemicals handling. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear suitable gloves resistant to chemical penetration.
Eye protection	: Standard EN 166 - Personal eye-protection.
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation or if the occupational exposure limit is exceeded, wear suitable respiratory equipment.



Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Paste.
Colour	: Characteristic.

EPOMIT-H COMPONENT A

Safety Data Sheet

according to Regulation (EU) No. 2015/830

Odour	: slight.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable.
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: No oxidising.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Not established.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. When heated, material can emit irritating fumes. Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
	This product has not been tested. The hazard assessment has been made based on the properties of its components
	Based on available data, the classification criteria are not met

2,3-epoxypropyl neodecanoate (26761-45-5)	
LD50 oral rat	9600 mg/kg
LD50 dermal rat	3800 mg/kg
LC50 inhalation rat (mg/l)	> 240 mg/mg ³
benzyl alcohol (100-51-6)	
LD50 oral rat	1620 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 4,178 mg/l/4h (OECD 403)
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6)	
LD50 oral rat	30000 mg/kg bodyweight
LD50 dermal rat	> 1200 mg/kg
Skin corrosion/irritation	: Causes skin irritation.

EPOMIT-H COMPONENT A

Safety Data Sheet

according to Regulation (EU) No. 2015/830

Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure (if inhaled).
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

2,3-epoxypropyl neodecanoate (26761-45-5)	
LC50 fishes	9,6 mg/l (96 h - Oncorhynchus mykiss - OECD 203)
EC50 Daphnia	3,5 mg/l
benzyl alcohol (100-51-6)	
LC50 fishes	460 mg/l (96 h - OECD 203)
EC50 Daphnia	230 mg/l (48 h - OECD 202 - Daphnia magna)
EC50 other aquatic organisms 1	390 mg/l (24 h - ISO8192 / ISO DIS 9509)
ErC50 (algae)	770 mg/l (72 h - OECD 201)
NOEC (chronic)	51 mg/l (21 d - OECD 211 - Daphnia magna)
reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6)	
LC50 fishes	≤ 1,3 mg/l
EC50 Daphnia	< 10 mg/l

12.2. Persistence and degradability

EPOMIT-H COMPONENT A	
Persistence and degradability	May cause long-term adverse effects in the environment.
2,3-epoxypropyl neodecanoate (26761-45-5)	
Biodegradation	68 +/- 5% (OECD 302A)

12.3. Bioaccumulative potential

EPOMIT-H COMPONENT A	
Bioaccumulative potential	Not established.
2,3-epoxypropyl neodecanoate (26761-45-5)	
Log Pow	2,6
benzyl alcohol (100-51-6)	
Log Pow	1,05 (25 °C)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

EPOMIT-H COMPONENT A	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Component	
Quartz (SiO ₂) (14808-60-7)	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Additional information : Avoid release to the environment

EPOMIT-H COMPONENT A

Safety Data Sheet

according to Regulation (EU) No. 2015/830

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to appropriate collection point. Contaminated packaging material should be treated same as the residuals.
- Additional information : Packaging which cannot be decontaminated should be disposed of like the material.
- Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

Not subjected to ADR : No

- Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

EPOMIT-H COMPONENT A

Safety Data Sheet

according to Regulation (EU) No. 2015/830

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Chronic 3	H412	Calculation method

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product