Safety Data Sheet
according to Regulation (EC) No. 2020/878 (REACH)

Trade name :	EPI QUARTZ R BASE & DECK HARDER COMP. B		
Revision date :	17.04.2025	**Version (Revision) :**	4.0.0 (3.0.0)
Print date :	18-04-2025		

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

1.1 Product identifier

EPI QUARTZ R BASE & DECK HARDER
COMP. B

Unique Formula Identifier : EAW2-10HX-M006-K342

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

Floor coating

1.3 Details of the supplier of the safety data sheet

Supplier

EPI Synthetic Surface Materials B.V.

Street : Duikboot 7

Postal code/City : 3991 CK Houten

Telephone : +31 30 2933664

Telefax : +31 30 2936344

Information contact : (Sales Department) Sales@epigroup.nl

1.4 Emergency telephone number

+31 30 2933664 (during office hours)

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 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

Repr. 1B ; H360 - Reproductive toxicity : Category 1B ; May damage fertility or the unborn child.

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Chronic 2 ; Toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms



Health hazard (GHS08) · Environment (GHS09) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE ; CAS No. : 1675-54-3

OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERVIVS ; CAS No. : 68609-97-2

Reaction mass of 2,2'- [methylenebis(4,1 phenyleneoxymethylene)]dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl] phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane

Hazard statements

H360	May damage fertility or the unborn child.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P201	Obtain special instructions before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P501	Dispose of contents / container in accordance with local regulations.

Special rules for supplemental label elements for certain mixtures

EUH205	Contains epoxy constituents. May produce an allergic reaction.

Additional information

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+P364 - Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

Adverse environmental effects

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

2.4 Additional information

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE ; REACH No. : 01-2119456619-26 ; EC No. : 216-823-5; CAS No. : 1675-54-3

Weight fraction :	≥ 50 - < 100 %
Classification 1272/2008 [CLP] :	Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERVIVS ; REACH No. : 01-2119485289-22 ; EC No. : 271-846-8; CAS No. : 68609-97-2

Weight fraction :	≥ 10 - < 25 %
Classification 1272/2008 [CLP] :	Repr. 1B ; H360 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317

Reaction mass of 2,2'- [methylenebis(4,1 phenyleneoxymethylene)]dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl] phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane ; REACH No. : 01-2119454392-40 ; EC No. : 701-263-0

Weight fraction :	≥ 10 - < 25 %
Classification 1272/2008 [CLP] :	Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Chronic 2 ; H411

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
When in doubt or if symptoms are observed, get medical advice.

Following inhalation
Remove casualty to fresh air and keep warm and at rest. No direct artificial respiration to be given by first aider. Call a physician in any case!

In case of skin contact
Wash immediately with: Water and soap Change contaminated, saturated clothing. Wash contaminated clothing prior to re-use.

After eye contact
Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

Following ingestion
Do NOT induce vomiting. If major quantity of dust is swallowed or inhaled, immediately drink: Water

4.2 Most important symptoms and effects, both acute and delayed
The following symptoms may occur: Headache Dizziness Nausea Diminished responsiveness Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed
None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Water mist Foam Extinguishing powder Carbon dioxide (CO2)

Unsuitable extinguishing media
Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products
Do not breathe gas/fumes/vapour/spray. Carbon monoxide Carbon dioxide (CO2)

5.3 Advice for firefighters
In case of fire: Wear self-contained breathing apparatus. Protective clothing.

5.4 Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2 Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. In case of gas escape or of entry into waterways, soil or drains, inform

the responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Suitable material for taking up: Sand Absorbing material, organic

6.4 Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage



7.1 Precautions for safe handling

Protective measures

Measures to prevent fire

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Provide earthing of containers, equipment, pumps and ventilation facilities.

Measures to prevent aerosol and dust generation

During filling, metering and sampling should be used if possible: Closed devices

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container. Suitable container/equipment material: Stainless steel Polyethylene (PE) Unsuitable container/equipment material: Butyl caoutchouc (butyl rubber)

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL-/PNEC-values

DNEL/DMEL

OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERVIVS ; CAS No. : 68609-97-2

Limit value type :	DNEL worker (local)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	0,98 mg/m^3
Limit value type :	DNEL worker (systemic)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	13,8 mg/m^3

8.2 Exposure controls

Appropriate engineering controls
Use only in well-ventilated areas. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Personal protection equipment


Eye/face protection
Eye glasses with side protection EN 166

Skin protection
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. DIN-/EN-Norms EN ISO 374 EN 420 Suitable gloves type NBR (Nitrile rubber) PVA (Polyvinyl alcohol) PVC (polyvinyl chloride)

Respiratory protection
If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Suitable respiratory protection apparatus Full-/half-/quarter-face masks (EN 136/140) Filtering device (full mask or mouthpiece) with filter: A

General information
Immediately remove any contaminated clothing, shoes or stockings. Wash contaminated clothing prior to re-use.

Environmental exposure controls
See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Odour characteristic

Colour light yellow

Safety characteristics

Initial boiling point and boiling range :	(1013 hPa)		201	°C
Flash point :			140	°C
Auto-ignition temperature :		>=	200	°C
Lower explosion limit :				Vol-%
Upper explosion limit :				Vol-%
Vapour pressure :	(20 °C)	<	2	hPa
Density :	(20 °C)		1,13	g/cm^3
Odour threshold				
Physical state :	Liquid			
Melting point/freezing point :	No data available			
Freezing point :	No data available			
Decomposition temperature :	No data available			
Evaporation rate :	No data available			
Water solubility :	practically insoluble			
pH :	No data available			
log P O/W :	No data available			
Viscosity :	No data available			
Relative vapour density :	No data available			

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

Contains epoxy constituents with an average molecular weight of <= 700.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

Exothermic reaction with: Amines.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Amines. Oxidising agent, strong.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Corrosion

Skin corrosion/irritation

irritant.

Serious eye damage/eye irritation

irritant.

Irritation to respiratory tract

No data available

Respiratory or skin sensitisation

Respiratory or skin sensitisation

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

Reproductive toxicity

May damage fertility or the unborn child.

STOT-repeated exposure

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

12.1 Toxicity
H411 - Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability
Moderately/partially biodegradable.

12.3 Bioaccumulative potential
No indication of bioaccumulation potential.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties
No information available.

12.7 Other adverse effects
None

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Delivery to an approved waste disposal company. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number or ID number
UN 3082

14.2 UN proper shipping name
Land transport (ADR/RID)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE · Reaction mass of 2,2'- [methylenebis(4,1 phenyleneoxymethylene)]dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl] phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane)

Sea transport (IMDG)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE · Reaction mass of 2,2'- [methylenebis(4,1 phenyleneoxymethylene)]dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl] phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane)

Air transport (ICAO-TI / IATA-DGR)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE · Reaction mass of 2,2'- [methylenebis(4,1 phenyleneoxymethylene)]dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl] phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane)

14.3 Transport hazard class(es)
Land transport (ADR/RID)

Class(es) :	9
Classification code :	M6
Hazard identification number (Kemler No.) :	90

Tunnel restriction code : -
Special Provisions : LQ 5 l · E 1 · ADR : - (SP 375 <= 5 l/kg)
Hazard label(s) : 9 / N

Sea transport (IMDG)
Class(es) : 9
EmS-No. : F-A / S-F
Special Provisions : LQ 5 l · E 1 · IMDG : - (SP 2.10.2.7 <= 5 l/kg)
Hazard label(s) : 9 / N

Air transport (ICAO-TI / IATA-DGR)
Class(es) : 9
Special Provisions : E 1 · IATA : - (SP A197 <= 5 l/kg)
Hazard label(s) : 9 / N

14.4 Packing group
III

14.5 Environmental hazards
Land transport (ADR/RID) : Yes
Sea transport (IMDG) : Yes (P)
Air transport (ICAO-TI / IATA-DGR) : Yes

14.6 Special precautions for user
None

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU legislation
Authorisations and/or restrictions on use
Restrictions on use
Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)
Use restriction according to REACH annex XVII, no. : 3

15.2 Chemical Safety Assessment
Information from chemical safety assessments for substances in this preparation have been integrated into this safety data sheet.

SECTION 16: Other information

16.1 Indication of changes
02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 14. UN proper shipping name - Land transport (ADR/RID) · 14. UN proper shipping name - Sea transport (IMDG) · 14. UN proper shipping name - Air transport (ICAO-TI / IATA-DGR)

16.2 Abbreviations and acronyms
None

16.3 Key literature references and sources for data
None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360	May damage fertility or the unborn child.
H411	Toxic to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.