

SAFETY DATA SHEET SILFLOOR UL6

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

Product identifier

Product name SILFLOOR UL6 BASE
Relevant identified uses of the substance or mixture and uses advised against Identified uses
 Base Component of Three Part Epoxy Flooring System

Company : **SILKON ADDITIVES INDIA PVT LTD**
Address : **622-P, SECTOR-38, GURUGRAM**
HARYANA-122001

Telephone : **18001236299 / 9717887038**

EMAIL : **INFO@SILKON.CO.IN**

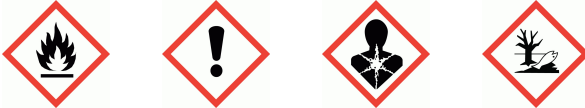
Classification of the substance or mixture Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226
Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 2 - H351
Environmental hazards Aquatic Chronic 2 - H411

Human health May irritate eyes. Prolonged skin contact may cause redness and irritation.
Environmental The product is not expected to be hazardous to the environment.

Label elements

Hazard pictograms



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H341 Suspected of causing genetic defects.
 H351 Suspected of causing cancer.
 H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P273 Avoid release to the environment.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Supplementary precautionary statements	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood. P233 Keep container tightly closed.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P391 Collect spillage.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.</p>

Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin		60-100%
(number average molecular weight ≤ 700)		
CAS number: 25068-38-6	EC number: 500-033-5	REACH registration number: 01-2119456619-26-XXXX
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411		

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BUTYL GLYCIDYL ETHER	5-10%
CAS number: 2426-08-6	EC number: 219-376-4
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 2 - H351 STOT SE 3 - H335 Aquatic Chronic 3 - H412	
HYDROCARBONS, C9, aromatics	1-5%
CAS number: 64742-95-6	EC number: 918-668-5
	REACH registration number: 01-2119455851-35-0000
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	
1,2,4-TRIMETHYLBENZENE	1-5%
CAS number: 95-63-6	EC number: 202-436-9
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411	
MESITYLENE	1-5%
CAS number: 108-67-8	EC number: 203-604-4
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures**Description of first aid measures****General information**

Immediately remove contaminated clothing. Contaminated clothing and shoes must be discarded.

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Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Do Not induce vomiting. Get medical attention immediately. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water or use an approved skin cleanser. Preferably, use a cleanser based on polyethylene glycol. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Irritating to respiratory system.
Ingestion	May cause stomach pain or vomiting.
Skin contact	May cause allergic reaction as well as serious Skin burns.
Eye contact	Eye contact may cause serious and potentially irreversible injuries. <u>4.3.</u>

Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Fire or high temperatures create: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂). Oxides of nitrogen.

Advice for firefighters

Protective actions during firefighting	Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Use suitable respiratory protection if ventilation is inadequate. In case of spills, beware of slippery floors and surfaces.
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Environmental precautions

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Environmental precautions Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with sand or other inert absorbent. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Reference to other sections

Reference to other sections For waste disposal, see section 13. For personal protection, see Section 8.

SECTION 7: Handling and storage

Precautions for safe handling

Usage precautions Avoid contact with skin and eyes. Avoid inhalation of vapours. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using this product. Contaminated clothing and shoes must be discarded.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry and cool place. Protect from sunlight.

Storage class Flammable liquid storage.

Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

Control parameters

Occupational exposure limits

BUTYL GLYCIDYL ETHER

Long-term exposure limit (8-hour TWA): WEL 25 ppm 135 mg/m³

HYDROCARBONS, C9, aromatics

Long-term exposure limit (8-hour TWA): WEL 100 mg/m³

1,2,4-TRIMETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m³

Short-term exposure limit (15-minute): WEL

MESITYLENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m³

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) (CAS: 25068-38-6)

DNEL Workers - Inhalation; Short term systemic effects: 12.25 mg/m³
Workers - Inhalation; Long term systemic effects: 12.25 mg/m³

PNEC - Fresh water; 0.006 mg/l

HYDROCARBONS, C9, aromatics (CAS: 64742-95-6)

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DNEL

Professional - Dermal; systemic effects: 25 mg/kg/day
 Professional - Inhalation; systemic effects: 150 mg/m³
 Consumer - Oral; systemic effects: 11 mg/kg/day
 Consumer - Inhalation; systemic effects: 32 mg/m³
 Consumer - Dermal; systemic effects: 11 mg/kg/day

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

Nitrile gloves are recommended.

Hygiene measures

Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

Respiratory protection

Gas filter, type A2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Yellowish.
Odour	Mild
Flash point	> 115 °C
Vapour pressure	1.01 kPa at 20 °C
Relative density	~ 1.17 @ 25°C
Solubility(ies)	Insoluble in Water
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising. 9.2.

Other information

Other information	Not determined.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Alkalis. Acids. Amines. 10.2.
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Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
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10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 5,144.03

Acute toxicity - inhalation

ATE inhalation (gases ppm) 37,417.34

ATE inhalation (vapours mg/l) 91.46

ATE inhalation (dusts/mists mg/l) 12.47

Inhalation Irritating to respiratory system.

Ingestion May cause stomach pain or vomiting.

Skin contact May cause serious Skin irritation as well as Allergic rash.

Eye contact Eye contact may cause serious and potentially irreversible injuries.

Acute and chronic health hazards Contains a substance/a group of substances which may damage fertility and the unborn child.

Toxicological information on ingredients.

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

Notes (oral LD₅₀) NOAEL 750 mg/kg, Oral, Rat

ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 20,000.0

Species Rabbit

Notes (dermal LD₅₀) LD₅₀ >1600 mg/kg, Dermal, Rat

ATE dermal (mg/kg) 20,000.0

Skin corrosion/irritation

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Animal data	Rabbit Moderately irritating.
<u>Skin sensitisation</u>	
Skin sensitisation	May cause sensitisation by skin contact.

HYDROCARBONS, C9, aromatics

Acute toxicity - oral

Acute toxicity oral 3,592.0
(LD₅₀ mg/kg)

Species Rat

Acute toxicity - dermal

Acute toxicity dermal 3,160.0
(LD₅₀ mg/kg)

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation 6.2
(LC₅₀ vapours mg/l)

Species Rat

ATE inhalation (vapours 6.2
mg/l)

SECTION 12: Ecological information

Ecotoxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Toxicity

Toxicity toxic to aquatic life.

Acute aquatic toxicity

Acute toxicity - fish LC50: > 100 mg/l (Danio rerio (zebra fish), 96 h)

Acute toxicity - aquatic invertebrates EC50: > 100 mg/l (Daphnia magna (Water flea), 48 h)

Acute toxicity - aquatic plants ErC50: 199 mg/l, (scenedesmus subspicatus, 72 h)

Acute toxicity - microorganisms EC50: 842 mg/l, (activated sludge, 3 h)

Ecological information on ingredients.

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Toxicity Ecotoxic to fish/daphnia/algae

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 3.6 mg/l, Leuciscus idus (Golden orfe)

LC₅₀, 96 hours: 2 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1.8 mg/l, Daphnia magna

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Acute toxicity -aquatic plants EC50, 72 hours: 11 mg/l, Scenedesmus capricornutum (fresh water algae)

HYDROCARBONS, C9, aromatics

Acute aquatic toxicity

Acute toxicity -fish LC₅₀, : 9.2 mg/l, Oncorhynchus mykiss (Rainbowtrout)

Acute toxicity -aquatic invertebrates EC₅₀, : 3.2 mg/l, Daphnia magna

EC₅₀, : 2.6 mg/l, Pseudokirchneriella subcapitata

Acute toxicity -aquatic plants

Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

Ecological information on ingredients.

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Persistence and degradability The product is not readily biodegradable.

HYDROCARBONS, C9, aromatics

Biodegradation Water - Degradation (%) 78: 28 days
The substance is readily biodegradable.

Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Partition coefficient log Pow: 3.242

12.4. Mobility in soil

Mobility Insoluble in water.

Ecological information on ingredients.

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Mobility The product has poor water-solubility.

Adsorption/desorption coefficient Water - Koc: 445 @ °C

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

SILFLOOR UL6 BASE

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

UN number

UN No. (ADR/RID) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

UN No. (ADN) 1993

UN proper shipping name

Proper shipping name (ADR/RID) FLAMMABLE LIQUID, N.O.S. (CONTAINS BUTYL GLYCIDYL ETHER, reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))

Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (CONTAINS BUTYL GLYCIDYL ETHER, reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), SOLVENT NAPHTHA, 1,2,4-TRIMETHYLBENZENE)

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (CONTAINS BUTYL GLYCIDYL ETHER, reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))

Proper shipping name (ADN) FLAMMABLE LIQUID, N.O.S. (CONTAINS BUTYL GLYCIDYL ETHER, reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700))

Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels



Packing group

ADR/RID packing group III

IMDG packing group III

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ICAO packing group III

ADN packing group III

Environmental hazards

Environmentally hazardous substance/marine pollutant

**Special precautions for user**

EmS F-E, S-E

ADR transport category 3

Emergency Action Code +3Y

Hazard Identification Number 30
(ADR/RID)

Tunnel restriction code (D/E)

Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code**SECTION 15: Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations	The Manufacture, storage and import of hazardous chemicals rules 1989.
EU legislation	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 (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	For professional use only. Only trained personnel should use this material.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	17/02/2020
Revision	4A
Supersedes date	05/05/2019
SDS number	21814

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Risk phrases in full	R36 Irritating to eyes. R43 May cause sensitisation by skin contact.
Hazard statements in full	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

SAFETY DATA SHEET SILFLOOR UL6 FILLER

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

Product identifier

Product name SILFLOOR UL6 FILLER

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

Identified uses Filler component for Epoxy based underlay

Details of the supplier of the safety data sheet

Company : **SILKON ADDITIVES INDIA PVT LTD**
Address : **622-P, SECTOR-38, GURUGRAM
HARYANA-122001**

Telephone : **18001236299 / 9717887038**

EMAIL : **INFO@SILKON.CO.IN**

Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Classification (67/548/EEC or -
1999/45/EC)

Label elements

Hazard statements NC Not Classified

Precautionary statements P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
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. P405
Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SILFLOOR UL6 FILLER

QUARTZ (SiO₂)	10-30%
CAS number: 14808-60-7	EC number: 238-878-4
Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	-
SILICA FLOUR	5-10%
CAS number: 14808-60-7	
Classification	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Consult a physician for specific advice.
Inhalation	Remove person to fresh air and keep comfortable for breathing.
Ingestion	Rinse mouth thoroughly with water.
Skin contact	Rinse cautiously with water for several minutes.
Eye contact	Rinse cautiously with water for several minutes. 4.2.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	May cause coughing and difficulties in breathing.
Ingestion	May cause discomfort.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	Prolonged contact may cause redness and/or tearing.

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

Notes for the doctor	No specific recommendations.
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SECTION 5: Firefighting measures

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. **5.2.**

Special hazards arising from the substance or mixture

Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon.
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5.3. Advice for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Special protective equipment for firefighters

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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Personal precautions Avoid inhalation of dust. Avoid contact with eyes and prolonged skin contact. Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. **6.3.**

Methods and material for containment and cleaning up

Methods for cleaning up Avoid generation and spreading of dust. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Usage precautions Avoid inhalation of dust and contact with skin and eyes. Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of dust.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

QUARTZ (SiO₂)

Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m³ Respirable crystalline silica WEL = Workplace Exposure Limit

Ingredient comments No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment



Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Gloves are recommended for prolonged use. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection

Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³.

SECTION 9: Physical and chemical properties

SILFLOOR UL6 FILLER

9.1. Information on basic physical and chemical properties

Appearance	Solid
Colour	Red.
Odour	Odourless.
Flash point	Not applicable.
Relative density	1.07 @ 20°C
Solubility(ies)	Insoluble in water. Swellable
Auto-ignition temperature	Not applicable.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising. 9.2.
<u>Other information</u>	
Other information	Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product. **10.2.**

Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation. **10.5.**

Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Not regarded as a health or environmental hazard under current legislation.

General information No specific health hazards known.

SECTION 12: Ecological information

Ecotoxicity The product is not expected to be hazardous to the environment.

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12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable. 12.3.

Bioaccumulative potential

Bioaccumulative potential Not expected to be bioaccumulative.

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

UN number

Not applicable.

UN proper shipping name

Not applicable.

Transport hazard class(es)

No transport warning sign required. 14.4. Packing group

Not applicable.

Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SILFLOOR UL6 FILLER

SECTION 15: Regulatory information

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

National regulations	The Manufacture, storage and import of hazardous chemicals rules 1989.
EU legislation	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 (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	For professional use only. Only trained personnel should use this material.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	18/02/2020
Revision	4A
Supersedes date	05/06/2015
SDS number	21843
Hazard statements in full	H319 Causes serious eye irritation. H335 May cause respiratory irritation.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

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Hazard statements	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H350 May cause cancer. H371 May cause damage to organs . H335 May cause respiratory irritation. H304 May be fatal if swallowed and enters airways. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P270 Do not eat, drink or smoke when using this product. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/ container in accordance with national regulations.
Supplementary precautionary statements	P243 Take action to prevent static discharges. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

TRIETHYLENETETRAMINE	10-30%
CAS number: 112-24-3	EC number: 203-950-6
Classification Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412	
HYDROCARBONS, C9, aromatics	10-30%
CAS number: 64742-95-6	EC number: 918-668-5
	REACH registration number: 01-2119455851-35-0000
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	

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4,4'-METHYLENEDIANILINE	5-10%
CAS number: 101-77-9	EC number: 202-974-4
M factor (Acute) = 1	M factor (Chronic) = 10
Substance of very high concern (SVHC).	
Classification Acute Tox. 3 - H301 Acute Tox. 2 - H330 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1B - H350 STOT SE 1 - H370 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

MESITYLENE	1-5%
CAS number: 108-67-8	EC number: 203-604-4
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

Description of first aid measures

General information	Immediately remove contaminated clothing. Contaminated clothing and shoes must be discarded.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Do Not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water or use an approved skin cleanser. Preferably, use a cleanser based on polyethylene glycol. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Coughing, chest tightness, feeling of chest pressure.
Ingestion	Harmful if swallowed.

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Skin contact May cause allergic reaction as well as serious Skin burns.
Eye contact Eye contact may cause serious and potentially irreversible injuries. **4.3.**

Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.
Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products Fire or high temperatures create: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). Oxides of nitrogen.

Advice for firefighters

Control run-off water by containing and keeping it out of sewers and watercourses.
Protective actions during firefighting Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Special protective equipment for firefighters

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Use suitable respiratory protection if ventilation is inadequate. In case of spills, beware of slippery floors and surfaces.

Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with sand or other inert absorbent. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Reference to other sections

Reference to other sections For waste disposal, see section 13. For personal protection, see Section 8.

SECTION 7: Handling and storage

Precautions for safe handling

Usage precautions Avoid contact with skin and eyes. Avoid inhalation of vapours. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using this product. Contaminated clothing and shoes must be discarded.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry and cool place. Protect from sunlight.

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Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

Control parameters

Occupational exposure limits

HYDROCARBONS, C9, aromatics

Long-term exposure limit (8-hour TWA): WEL 100 mg/m³

4,4'-METHYLENEDIANILINE

Long-term exposure limit (8-hour TWA): WEL 0.01 ppm 0.08 mg/m³ Carc,
Sk

MESITYLENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m³

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

Carc = Capable of causing cancer and/or heritable genetic damage. Sk
= Can be absorbed through the skin.

ISOPHORONEDIAMINE (CAS: 2855-13-2)

PNEC

- marine water; 0.006 mg/l
- Fresh water; 0.06 mg/l
- Soil; 1.121 mg/kg

HYDROCARBONS, C9, aromatics (CAS: 64742-95-6)

DNEL

- Professional - Dermal; systemic effects: 25 mg/kg/day
- Professional - Inhalation; systemic effects: 150 mg/m³
- Consumer - Oral; systemic effects: 11 mg/kg/day
- Consumer - Inhalation; systemic effects: 32 mg/m³
- Consumer - Dermal; systemic effects: 11 mg/kg/day

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) (CAS: 25068-38-6)

DNEL Workers - Inhalation; Short term systemic effects: 12.25 mg/m³
Workers - Inhalation; Long term systemic effects: 12.25 mg/m³

PNEC - Fresh water; 0.006 mg/l

SALICYLIC ACID (CAS: 69-72-7)

DNEL Workers - Inhalation; Long term systemic effects: 5 mg/m³
Workers - Dermal; Long term systemic effects: 2.3 mg/kg bw/day
Workers - Inhalation; Long term local effects: 5 mg/m³
General population - Inhalation; Long term systemic effects: 4 mg/m³

PNEC

- Fresh water; 0.20 mg/l
- marine water; 0.020 mg/l
- Sediment (Freshwater); 1.42 mg/kg dw
- Soil; 0.17 mg/kg dw
- STP; 16.2 mg/l

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Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

Wear protective gloves made of the following material: Nitrile rubber.

Hygiene measures

Provide eyewash station and safety shower. Discard contaminated shoes and clothing. Do not eat, drink or smoke when using this product.

Respiratory protection

Gas filter, type A2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Light Yellow
Initial boiling point and range	>200 °C
Relative density	~ 0.95 @27°C
Solubility(ies)	Insoluble in water.
Viscosity	2.3
Oxidising properties	Does not meet the criteria for classification as oxidising. <u>9.2.</u>

Other information

Other information Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react with the product: Alkalis. Acids. Amines. **10.2.**

Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Reacts violently with strong acids.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects The toxicological assessment is based on a knowledge of the toxicity of the product's components.

Acute toxicity - oral

ATE oral (mg/kg) 1,188.7

Acute toxicity - dermal

ATE dermal (mg/kg) 2,750.0

Acute toxicity - inhalation

ATE inhalation (gases ppm) 42,054.11

ATE inhalation (vapours mg/l) 124.85

ATE inhalation (dusts/mists mg/l) 5.73

Inhalation Gas or vapour is harmful on prolonged exposure or in high concentrations.
Ingestion May cause stomach pain or vomiting.
Skin contact May cause allergic reaction as well as serious skin burns
Eye contact Eye contact may cause serious and potentially irreversible injuries.
Acute and chronic health hazards Contains a substance/a group of substances which may damage fertility and the unborn child.

SECTION 12: Ecological information

Ecotoxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Toxicity

Toxicity toxic to aquatic life.

Acute aquatic toxicity

Acute toxicity - fish LC50: > 100 mg/l (Danio rerio (zebra fish), 96 h)

Acute toxicity - aquatic invertebrates EC50: > 100 mg/l (Daphnia magna (Water flea), 48 h)

Acute toxicity - aquatic plants ErC50: 199 mg/l, (scenedesmus subspicatus, 72 h)

Acute toxicity - microorganisms EC50: 842 mg/l, (activated sludge, 3 h)

Persistence and degradability

Persistence and degradability The product is not readily biodegradable. **12.3.**

Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

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Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

UN number

UN No. (ADR/RID) 2734

UN No. (IMDG) 2734

UN No. (ICAO) 2734

UN No. (ADN) 2734

UN proper shipping name

Proper shipping name (ADR/RID) AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (CONTAINS TRIETHYLENETETRAMINE, SOLVENT NAPHTHA)

Proper shipping name (IMDG) AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (CONTAINS TRIETHYLENETETRAMINE, SOLVENT NAPHTHA, 1,2,4-TRIMETHYLBENZENE, 4,4'-METHYLENEDIANILINE)

Proper shipping name (ICAO) AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (CONTAINS TRIETHYLENETETRAMINE, SOLVENT NAPHTHA)

Proper shipping name (ADN) AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (CONTAINS TRIETHYLENETETRAMINE, SOLVENT NAPHTHA)

Transport hazard class(es)

ADR/RID class 8

ADR/RID subsidiary risk 3

ADR/RID classification code FC

ADR/RID label 8

IMDG class 8

IMDG subsidiary risk 3

ICAO class/division 8

ICAO subsidiary risk 3

ADN class 8

ADN subsidiary risk 3

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Transport labels



Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

Environmental hazards

Environmentally hazardous substance/marine pollutant



Special precautions for user

IMDG Code segregation group	18. Alkalis
EmS	F-E, S-C
ADR transport category	2
Emergency Action Code	+2W
Hazard Identification Number (ADR/RID)	83
Tunnel restriction code	(D/E)

Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations	The Manufacture, storage and import of hazardous chemicals rules 1989.
EU legislation	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 (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

Chemical safety assessment

No chemical safety assessment has been carried out.

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SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	DMEL: Derived Minimal Effect Level. DNEL: Derived No Effect Level.
General information	For professional use only. Only trained personnel should use this material.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	13/11/2019
Revision	4A
Supersedes date	06/05/2015
SDS number	21839
Hazard statements in full	<p>H226 Flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H341 Suspected of causing genetic defects. H350 May cause cancer. H370 Causes damage to organs . H371 May cause damage to organs . H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.</p>

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.