SAFETY DATA SHEET
SILFLOOR SFC NEUTRAL/TEXTURE BASE

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

Product identifier

Product name SILFLOOR SFC NEUTRAL/TEXTURE BASE

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

Identified uses Base component of two part epoxy resin floor coating.

1.3. 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	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Repr. 1B - H360
Environmental hazards	Aquatic Chronic 2 - H411

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

Label elements

Hazard pictograms

Signal word Danger

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H360 May damage fertility or the unborn child.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements	P261 Avoid breathing vapour/ spray. P273 Avoid release to the environment. 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. P308+P313 IF exposed or concerned: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
Contains	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), DIBUTYL PHTHALATE, OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS
Supplementary precautionary statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P264 Wash contaminated skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. 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

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) — **30-60%**

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

DIBUTYL PHTHALATE — **1-5%**

CAS number: 84-74-2 | EC number: 201-557-4

M factor (Acute) = 10 | M factor (Chronic) = 10

Substance of very high concern (SVHC).

Classification
Acute Tox. 3 - H331
Repr. 1B - H360
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS	1-5%
CAS number: 68609-97-2	EC number: 271-846-8

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1 - H317

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 Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Inhalation Rinse nose and mouth with water.

Ingestion Rinse mouth thoroughly with water. Do not induce vomiting.

Skin contact Remove contaminated clothing. Wash skin thoroughly with soap and water.

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 May cause coughing and difficulties in breathing.

Ingestion Diarrhoea. Nausea, vomiting.

Skin contact May cause severe skin irritation as well as skin sensitisation

Eye contact Severe irritation, burning and tearing.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

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

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 No specific hazard known.

Hazardous combustion products Does not decompose when used and stored as recommended.

Advice for firefighters

Protective actions during firefighting Containers close to fire should be removed or cooled with water. Fight fire from safe distance or protected location.

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

Special protective equipment for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective clothing, gloves and eye/face protection. **6.2.**

Environmental precautions

Environmental precautions Prevent entry into drains, sewers and water courses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up 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.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

Conditions for safe storage, including any incompatibilities

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

Storage class Chemical 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

DIBUTYL PHTHALATE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
Short-term exposure limit (15-minute): WEL 10 mg/m³
WEL = Workplace Exposure Limit

CALCIUM CARBONATE(STEARATE COATED) 75 Nanometer (CAS: 471-34-1)

DNEL Workers - Inhalation; Long term systemic effects: 10 mg/m³

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

DIBUTYL PHTHALATE (CAS: 84-74-2)

DNEL Workers - Inhalation; Long term systemic effects: 0.13 mg/m³
Workers - Dermal; Long term systemic effects: 0.19 mg/kg bw/day

PNEC	- Fresh water; 10 µg/l - marine water; 1 µg/l

OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS (CAS: 68609-97-2)

DNEL	Workers - Inhalation; Long term systemic effects: 3.6 mg/m³ Workers - Dermal; Long term systemic effects: 1 mg/kg bw/day
PNEC	- Fresh water; 0.0072 mg/l - marine water; 0.00072 mg/l

Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	Chemical splash goggles and face shield.
Hand protection	Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.
Hygiene measures	When using do not eat, drink or smoke.
Respiratory protection	Gas filter, type A2.
Environmental exposure controls	Refer to section 6 or 12.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Pigmented
Odour	Mild
Odour threshold	Not determined.
Initial boiling point and range	>200 ℃
Flash point	>200°C
Vapour pressure	0.002 kPa at 20 degree
Relative density	1.17 at 20 oC
Solubility(ies)	Insoluble in water
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

Other information

Volatile organic compound This product contains a maximum VOC content of 5 g/l.

SECTION 10: Stability and reactivity

Reactivity

Reactivity The reactivity data for this product will be typical of those for the following class of materials: Amino, hydroxyl or carboxyl groups Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Chemical stability

Stability Hazardous polymerisation will not occur.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 283.33

Inhalation May cause coughing and difficulties in breathing.
Ingestion Nausea, vomiting.
Skin contact May cause Skin irritation as well as skin sensitisation.
Eye contact Severe irritation, burning and tearing.
Target organs Skin Eyes

Toxicological information on ingredients.

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

Acute toxicity - oral

Acute toxicity oral (LD□□ mg/kg) 5,000.0
Species Rat
Notes (oral LD□□) NOAEL 750 mg/kg, Oral, Rat
ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD□□ mg/kg)	20,000.0
Species	Rabbit
Notes (dermal LD□□)	LD□□ >1600 mg/kg, Dermal, Rat
ATE dermal (mg/kg)	20,000.0

Skin corrosion/irritation

Animal data	Rabbit Moderately irritating.

Skin sensitisation

Skin sensitisation	May cause sensitisation by skin contact.

DIBUTYL PHTHALATE

Acute toxicity - oral

Acute toxicity oral (LD□□ mg/kg)	8,000.0
Species	Rat
ATE oral (mg/kg)	8,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD□□ mg/kg)	20,860.0
Species	Rabbit
ATE dermal (mg/kg)	20,860.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC□□ vapours mg/l)	4.25
Species	Rat
ATE inhalation (vapours mg/l)	4.25

Acute and chronic health hazards	INGESTION. May cause stomach pain or vomiting. Inhalation May cause respiratory system irritation. SKIN CONTACT. May cause skin irritation/eczema. May cause sensitisation by skin contact. EYE CONTACT. Irritating to eyes.

OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS

Acute toxicity - oral	19,200.0
Acute toxicity oral (LD□□ mg/kg)	
Species	Rat
ATE oral (mg/kg)	19,200.0

Acute toxicity - dermal

Acute toxicity dermal (LD□□ mg/kg)	4,500.0
Species	Rat
Notes (dermal LD□□)	LD□□ >2000 mg/kg, Dermal, Rabbit
ATE dermal (mg/kg)	4,500.0

SECTION 12: Ecological information

Toxicity

Toxicity Very toxic to aquatic organisms.

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	LC□□, 96 hours: 3.6 mg/l, Leuciscus idus (Golden orfe) LC□□, 96 hours: 2 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC□□, 48 hours: 1.8 mg/l, Daphnia magna EC50, 72 hours: 11 mg/l, Scenedesmus capricornutum (fresh water algae)
Acute toxicity - aquatic plants	

DIBUTYL PHTHALATE

Acute aquatic toxicity	
LE(C)□□	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC□□, 96 hours: 0.85 mg/l, Pimephales promelas (Fat-head Minnow) LC□□, 96 hours: 1.6 mg/l, Salmo gairdneri
Acute toxicity - aquatic invertebrates	LC□□, 48 hours: 3.7 mg/l, Daphnia magna EC□□, 96 hours: 0.75 mg/l, Selenastrum capricornutum
Acute toxicity - aquatic plants	
Chronic aquatic toxicity	
M factor (Chronic)	10

OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS

Acute aquatic toxicity	
Acute toxicity - fish	LC□□, 96 hours: 1 - 10 mg/l, Fish LC□□, 96 hours: 1800 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC□□, 48 hours: 1 - 10 mg/l, Daphnia magna EC□□, 72 hours: 844 mg/l, Algae
Acute toxicity - aquatic plants	

Persistence and degradability

Persistence and degradability Expected to be 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.

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)

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

14.1. UN number

UN No. (ADR/RID)	3082
UN No. (IMDG)	3082

UN No. (ICAO)	3082
UN No. (ADN)	3082

UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), DIBUTYL PHTHALATE)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), DIBUTYL PHTHALATE)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), DIBUTYL PHTHALATE)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), DIBUTYL PHTHALATE)

Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels

Packing group

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

Environmental hazards

Environmentally hazardous substance/marine pollutant

Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	•3Z

Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(-)

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

15.1. 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 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). 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).
Guidance	Workplace Exposure Limits EH40.

15.2. 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	10/03/2020
Revision	4A
Supersedes date	04/12/2018
SDS number	23467
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H331 Toxic if inhaled. H360 May damage fertility or the unborn child. 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.

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 SFC NEUTRAL/TEXTURE HARDENER

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

Product identifier

Product name SILFLOOR SFC NEUTRAL/TEXTURE HARDENER

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

Identified uses Hardener Component of two part Epoxy Flooring System.

1.3. 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 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 3 - H412

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

Human health May cause serious eye damage. May cause skin sensitisation or allergic reactions in sensitive individuals.

Label elements

Hazard pictograms

Signal word Danger

Hazard statements H302+H312 Harmful if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements	P273 Avoid release to the environment. P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/ container in accordance with national regulations.
Contains	ISOPHORONEDIAMINE, BENZYL ALCOHOL, SALICYLIC ACID
Supplementary precautionary statements	P260 Do not breathe vapour/ spray. P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P310 Immediately call a POISON CENTER/ doctor. P321 Specific treatment (see medical advice on this label). P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse. 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

ISOPHORONEDIAMINE **30-60%**

CAS number: 2855-13-2 EC number: 220-666-8 REACH registration number: 01-2119514687-32-xxxx

Classification

Acute Tox. 4 - H302
Acute Tox. 4 - H312
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Skin Sens. 1 - H317

Aquatic Chronic 3 - H412

BENZYL ALCOHOL **30-60%**

CAS number: 100-51-6 EC number: 202-859-9 REACH registration number: 01-2119492630-38

Classification

Acute Tox. 4 - H302
Acute Tox. 4 - H332
Eye Irrit. 2 - H319

SILFLOOR SFC NEUTRAL/TEXTURE HARDENER

SALICYLIC ACID			**1-5%**
CAS number: 69-72-7	EC number: 200-712-3	REACH registration number: 01-2119486984-17-XXXX	

Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318

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 Take off all contaminated clothing immediately. When symptoms persist or in all cases of doubt seek medical advice.

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. Ensure supply of fresh air.
Maintain an open airway. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person warm and at rest. Maintain an open airway. Obtain medical attention.

Skin contact Remove contaminated clothing. Wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical attention promptly if symptoms occur after washing.

Eye contact Rinse immediately with plenty of water. 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 May cause coughing and difficulties in breathing.

Ingestion May cause chemical burns in mouth and throat. May cause discomfort.

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

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 Water used for fire extinguishing, which has been in contact with the product, may be corrosive. No unusual fire or explosion hazards noted.

Hazardous combustion products	No known hazardous decomposition products.
Advice for firefighters	No specific firefighting precautions known.
Protective actions during firefighting	Use protective equipment appropriate for surrounding materials.
Special protective equipment for firefighters	

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes and prolonged skin contact. Do not touch or walk into spilled material. **6.2.**

Environmental precautions

Environmental precautions Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Collect and dispose of spillage as indicated in Section 13.

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 contact with skin and eyes. Mechanical ventilation or local exhaust ventilation may be required. Do not eat, drink or smoke when using this product.

Advice on general occupational hygiene Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

Conditions for safe storage, including any incompatibilities

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

Storage class Corrosive 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

ISOPHORONEDIAMINE (CAS: 2855-13-2)

PNEC

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

BENZYL ALCOHOL (CAS: 100-51-6)

SILFLOOR SFC NEUTRAL/TEXTURE HARDENER

DNEL	Workers - Inhalation; Short term systemic effects: 110 mg/m³ Workers - Inhalation; Long term systemic effects: 22 mg/m³ Workers - Dermal; Short term systemic effects: 40 mg/kg bw/day Workers - Dermal; Long term systemic effects: 8 mg/kg bw/day
PNEC	- Fresh water; 1 mg/l - marine water; 0.1 mg/l - STP; 39 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

Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Personal protection	Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.
Eye/face protection protection	Wear tight-fitting, chemical splash goggles or face shield. (conform EN 166) **Hand** Nitrile gloves are recommended.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	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	Straw.
Odour	Amine.
Initial boiling point and range	220º @ 1atm
Flash point	115º C
Relative density	~ 1.080 g/cm3 @ 25°C
Solubility(ies)	Partially soluble in water.

SILFLOOR SFC NEUTRAL/TEXTURE HARDENER

Viscosity	~40 cP @ 25°C
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.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid	Strong acids. Strong alkalis. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	696.31

Acute toxicity - dermal

ATE dermal (mg/kg)	1,877.13

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)	27.71

Inhalation	May cause coughing and difficulties in breathing.
Ingestion	May be harmful if swallowed and enters airways.
Skin contact	May cause allergic reaction as well as serious skin burns
Eye contact	Severe irritation, burning and tearing.
Acute and chronic health hazards	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Target organs	Eyes, Lungs, Respiratory, Skin.

Toxicological information on ingredients.

SILFLOOR SFC NEUTRAL/TEXTURE HARDENER

ISOPHORONEDIAMINE

Acute toxicity - oral

Acute toxicity oral (LD□□ mg/kg)	1,030.0
Species	Rat
ATE oral (mg/kg)	500.0

Acute toxicity - dermal

Acute toxicity dermal (LD□□ mg/kg)	1,840.0
Species	Rabbit
ATE dermal (mg/kg)	1,100.0

BENZYL ALCOHOL

Acute toxicity - oral

Acute toxicity oral (LD□□ mg/kg)	1,620.0
Species	Rat
ATE oral (mg/kg)	1,620.0

Acute toxicity - dermal

Acute toxicity dermal (LD□□ mg/kg)	2,000.0
Species	Rabbit
ATE dermal (mg/kg)	2,001.0

Acute toxicity -inhalation

Acute toxicity inhalation (LC□□ vapours mg/l)	11.0
Species	Rat
ATE inhalation (vapours mg/l)	11.0

Skin sensitisation

Skin sensitisation	Not sensitising.

Carcinogenicity

Carcinogenicity	NOAEL 200 mg/kg/day, Oral, Mouse There is no evidence that the product can cause cancer.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 400 mg/kg, Oral, Rat

Inhalation	May cause coughing and difficulties in breathing.
Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach.

SILFLOOR SFC NEUTRAL/TEXTURE HARDENER

Skin contact	Prolonged and frequent contact may cause redness and irritation. **Eye**
contact	Severe irritation, burning and tearing.

SALICYLIC ACID

Acute toxicity - oral

Acute toxicity oral (LD□□ mg/kg)	891.0
Species	Rat
ATE oral (mg/kg)	891.0

Acute toxicity - dermal

Notes (dermal LD□□)	LD□□ >2000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC□□)	LC50 >0.9 mg/l, Inhalation, Rat

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 Expected to be ecotoxic to fish/daphnia/algae.

Ecological information on ingredients.

ISOPHORONEDIAMINE

Acute aquatic toxicity

Acute toxicity - fish	LC□□, 96 hours: 110 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC□□, 48 hours: 23 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC□□, 72 hours: 50 mg/l, Algae

BENZYL ALCOHOL

Acute aquatic toxicity

Acute toxicity - fish	LC□□, 96 hours: 460 mg/l, Pimephales promelas (Fat-head Minnow) LC□□, 96 hours: 10 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	EC□□, 48 hours: 230 mg/l, Daphnia magna EC□□, 72 hours: 770 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - aquatic plants	NOEC, 72 hours: 310 mg/l, Pseudokirchneriella subcapitata LC□□, 49 hours: 2100 mg/l, Activated sludge

SALICYLIC ACID

Acute toxicity - microorganisms	

Acute aquatic toxicity

SILFLOOR SFC NEUTRAL/TEXTURE HARDENER

Acute toxicity - fish	LC□□, : 90 mg/l, Leuciscus idus (Golden orfe) LC□□, 96 hours: 1.3 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC□□, 24 hours: 105 mg/l, Daphnia magna

Persistence and degradability

Persistence and degradability Expected to be not readily biodegradable.

Ecological information on ingredients.

ISOPHORONEDIAMINE

Persistence and degradability	The product is not readily biodegradable.

Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

ISOPHORONEDIAMINE

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	log Kow: 0.99

Mobility in soil

Mobility Partially soluble 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

14.1. UN number

UN No. (ADR/RID)	2289
UN No. (IMDG)	2289
UN No. (ICAO)	2289
UN No. (ADN)	2289

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ISOPHORONEDIAMINE

SILFLOOR SFC NEUTRAL/TEXTURE HARDENER

Proper shipping name (IMDG) ISOPHORONEDIAMINE **Proper shipping name (ICAO)** ISOPHORONEDIAMINE **Proper shipping name (ADN)** ISOPHORONEDIAMINE

Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C7
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels

Packing group

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

Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

Special precautions for user

EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(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.

SILFLOOR SFC NEUTRAL/TEXTURE HARDENER

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).

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	It is first ıssue.
Revision date	10/03/2020
Revision	5
Supersedes date	04/12/2018
SDS number	23469
Hazard statements in full	H302 Harmful if swallowed. H312 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. 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.