



SAFETY DATA SHEET THIOFLEX 600 GUN GRADE BASE

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

1.1. Product identifier

Product name THIOFLEX 600 GUN GRADE BASE

Product number A2487068AE1

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

Identified uses Base component of two-part polysulphide sealant.

1.3. Details of the supplier of the safety data sheet

Supplier Al Gurg Fosroc LLC
PO Box 657
Dubai
United Arab Emirates
+ 971 4 2858606

1.4. Emergency telephone number

Emergency telephone +97142039699 (08:00 to 16:30) // +971506258232 (16:30 to 08:00)GMT+4

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Lact. - H362

Environmental hazards Aquatic Chronic 1 - H410

Human health May irritate eyes. Contains a substance/a group of substances which may impair fertility. Contains a substance/a group of substances which may damage the unborn child. Prolonged skin contact may cause redness and irritation.

Environmental The product is not expected to be hazardous to the environment. The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Hazard pictograms



Signal word Warning

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Hazard statements	<p>EUH208 Contains EPICHLOROHYDRIN, POLYMER W/BISPHENOL A. May produce an allergic reaction.</p> <p>H362 May cause harm to breast-fed children.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P260 Do not breathe vapour/ spray.</p> <p>P263 Avoid contact during pregnancy and while nursing.</p> <p>P273 Avoid release to the environment.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Contains	LIQUID CHLORINATED PARAFFIN
Supplementary precautionary statements	<p>P201 Obtain special instructions before use.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P391 Collect spillage.</p>

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

LIQUID CHLORINATED PARAFFIN	10-30%
CAS number: 85535-85-9 EC number: 287-477-0 REACH registration number: 01-2119519269-33-xxxx M factor (Chronic) = 100	
Classification Lact. - H362 Aquatic Chronic 1 - H410	
EPICHLOROHYDRIN, POLYMER W/BISPHENOL A	<1%
CAS number: 25036-25-3 EC number: 682-390-8	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	
XYLENE	<1%
CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-2119488216-32-0000	
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	

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ETHYLBENZENE	<1%
CAS number: 100-41-4	EC number: 202-849-4
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304	

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

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Ingestion	Never give anything by mouth to an unconscious person. Get medical attention immediately. Do not induce vomiting. Rinse mouth thoroughly with water.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Remove affected person from source of contamination. Get medical attention if any discomfort continues. Continue to rinse for at least 15 minutes and get medical attention.

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

General information	Get medical attention promptly if symptoms occur after washing.
Inhalation	May cause respiratory system irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause irritation.
Eye contact	May cause irritation.

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

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

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Foam. Use fire-extinguishing media suitable for the surrounding fire. Carbon dioxide (CO ₂). Dry chemicals, sand, dolomite etc.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Does not decompose when used and stored as recommended.
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5.3. Advice for firefighters

Protective actions during firefighting	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Personal precautions For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. 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.

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

8.1. Control parameters

Occupational exposure limits

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

Sk

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

LIQUID CHLORINATED PARAFFIN (CAS: 85535-85-9)

DNEL	Industry - Inhalation; Long term systemic effects: 1.6 mg/m ³ Industry - Dermal; Long term systemic effects: 47.9 mg/kg/day Consumer - Oral; Long term systemic effects: 0.58 mg/kg/day Consumer - Inhalation; Long term systemic effects: 2 mg/m ³ Consumer - Dermal; Long term systemic effects: 28.75 mg/kg/day
PNEC	- Fresh water; 1000 mg/l - marine water; 200 mg/l - STP; 80 mg/l

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XYLENE (CAS: 1330-20-7)

DNEL	Workers - Inhalation; Long term systemic effects: 77 mg/m ³ Workers - Inhalation; Short term systemic effects: 289 mg/m ³ Workers - Dermal; Long term systemic effects: 180 mg/kg/day
PNEC	- Fresh water; 0.327 mg/l - marine water; 0.327 mg/l - STP; 6.58 mg/l

ETHYLBENZENE (CAS: 100-41-4)

DNEL	Workers - Inhalation; Long term systemic effects: 77 mg/m ³ Workers - Dermal; Long term systemic effects: 180 mg/kg bw/day
PNEC	- Fresh water; 0.1 mg/l - marine water; 0.01 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Wear tight-fitting, chemical splash goggles or face shield. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Neoprene. Polyvinyl chloride (PVC). Polyvinyl chloride (PVC). Rubber (natural, latex).

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Do not smoke in work area. Provide eyewash station. Use appropriate skin cream to prevent drying of skin. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous Liquid
Colour	Grey, Black
Odour	Mild.
Odour threshold	Not applicable.
pH	Not determined.

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Melting point	Not applicable.
Initial boiling point and range	Not determined.
Flash point	>150 C°C
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Other flammability	Not applicable.
Vapour pressure	Not available.
Vapour density	Not determined.
Relative density	1.39 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	1000 P @ 20°C
Explosive properties	Not applicable.
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 No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Does not decompose when used and stored as recommended.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

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10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Fire creates: Acrid smoke or fumes. Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation Irritating to respiratory system. Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion May cause discomfort if swallowed. Toxic if swallowed.

Skin contact Prolonged and frequent contact may cause redness and irritation. Irritating to skin.

Eye contact Vapour or spray in the eyes may cause irritation and smarting. Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

Route of exposure Ingestion. Skin and/or eye contact

Target organs Eyes Skin

Toxicological information on ingredients.

LIQUID CHLORINATED PARAFFIN

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >2000 mg/kg, Oral, Rat

XYLENE

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

ETHYLBENZENE

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

SECTION 12: Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

12.1. Toxicity

Toxicity Very toxic to aquatic organisms.

Ecological information on ingredients.

LIQUID CHLORINATED PARAFFIN

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: >5000 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.006 mg/l, Daphnia magna

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Chronic aquatic toxicity

M factor (Chronic) 100

XYLENE

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability This product is not expected to be readily biodegradable.

Ecological information on ingredients.

XYLENE

Persistence and degradability Expected to be not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Not determined.

Partition coefficient Not determined.

Ecological information on ingredients.

LIQUID CHLORINATED PARAFFIN

Bioaccumulative potential BCF: < 2000 L/kg,

12.4. Mobility in soil

Mobility Viscous liquid. Insoluble in water.

Ecological information on ingredients.

XYLENE

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.

Ecological information on ingredients.

LIQUID CHLORINATED PARAFFIN

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

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

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14.1. UN number

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

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS LIQUID CHLORINATED PARAFFIN)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS LIQUID CHLORINATED PARAFFIN)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS LIQUID CHLORINATED PARAFFIN)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS LIQUID CHLORINATED PARAFFIN)

14.3. 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



14.4. Packing group

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

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

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Hazard Identification Number 90
(ADR/RID)

Tunnel restriction code (-)

14.7. 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

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).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	Only trained personnel should use this material.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	11/12/2019
Revision	3
Supersedes date	26/05/2015
Hazard statements in full	<p>H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H362 May cause harm to breast-fed children. H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure. H410 Very toxic to aquatic life with long lasting effects. EUH208 Contains EPICHLOROHYDRIN, POLYMER W/BISPHENOL A. May produce an allergic reaction.</p>

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