

SAFETY DATA SHEET**CONBEXTRA EPGP BASE****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name CONBEXTRA EPGP BASE
Product number A1166001AE1, A1166009AE1

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

Identified uses Base Component of Three-Part Epoxy System

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****Physical hazards**

Not Classified

Health hazards

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

Environmental hazards

Aquatic Chronic 2 - H411

2.2. Label elements**Pictogram****Signal word**

Warning

Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing vapour/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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.

Contains

EPOXY RESIN (Type A) (Number average MW <= 700), OXIRANE, MONO [(C12-14-ALKYLOXY)METHYL] DERIVS

2.3. Other hazards

None known.

no hazard

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

CONBEXTRA EPGP BASE

EPOXY RESIN (Type A) (Number average MW <= 700)		60-100%
CAS number: 25068-38-6 EC number: 500-033-5		
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411		Classification (67/548/EEC or 1999/45/EC)
OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS		5-10%
CAS number: 68609-97-2 EC number: –		
Classification Skin Irrit. 2 - H315 Skin Sens. 1 - H317		Classification (67/548/EEC or 1999/45/EC)
SOLVENT NAPHTHA		<1%
CAS number: 64742-95-6 EC number: 265-199-0 REACH registration number: 01-2119455851-35		
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		Classification (67/548/EEC or 1999/45/EC)
1,2,4-TRIMETHYLBENZENE		<1%
CAS number: 95-63-6 EC number: 202-436-9		
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Acute Tox. 4 - H332 STOT SE 3 - H335 Aquatic Chronic 2 - H411		Classification (67/548/EEC or 1999/45/EC) R10 Xn;R20 Xi;R36/37/38 N;R51/53
MESITYLENE		<1%
CAS number: 108-67-8 EC number: 203-604-4		
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335 Aquatic Chronic 2 - H411		Classification (67/548/EEC or 1999/45/EC) R10 Xi;R37 N;R51/53

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 at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

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

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Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. 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

Not Applicable

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

Notes for the doctor

Not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

Specific hazards

None known.

5.3. Advice for firefighters

Special protective equipment for firefighters

Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions

Avoid or minimise the creation of any environmental contamination.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Avoid spilling. Avoid contact with skin and eyes.

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. Keep only in the original container.

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

CONBEXTRA EPGP BASE

SOLVENT NAPHTHA

Long-term exposure limit (8-hour TWA): WEL 19 ppm

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

CUMENE

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

Short-term exposure limit (15-minute): WEL 50 ppm 250 mg/m³

Sk

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

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

Sk = Can be absorbed through the skin.

Ingredient comments

WEL = Workplace Exposure Limits

EPOXY RESIN (Type A) (Number average MW <= 700) (CAS: 25068-38-6)

DNEL	Workers - Inhalation; Short term systemic effects: 12.25 mg/m ³ Workers - Inhalation; Long term systemic effects: 12.25 mg/m ³
PNEC	- Fresh water; 0.006 mg/l

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

DNEL	Workers - Inhalation; Long term systemic effects: 3.6 mg/m ³ Workers - Dermal; Long term systemic effects: 1 mg/kg bw/day
PNEC	- Fresh water; 0.0072 mg/l - Marine water; 0.00072 mg/l

SOLVENT NAPHTHA (CAS: 64742-95-6)

DNEL	Professional - Dermal; systemic effects: 25 mg/kg/day Professional - Inhalation; systemic effects: 150 mg/m ³ Consumer - Oral; systemic effects: 11 mg/kg/day Consumer - Inhalation; systemic effects: 32 mg/m ³ Consumer - Dermal; systemic effects: 11 mg/kg/day
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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

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. The following protection should be worn: Chemical splash goggles or face shield.

CONBEXTRA EPGP BASE

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. 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

Liquid.

Colour

Clear liquid.

Odour

Mild.

Odour threshold

Not available.

Melting point

Not applicable.

Initial boiling point and range

Not available.

Flash point

Not relevant.

Evaporation rate

Not available.

Evaporation factor

Not available.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Not applicable.

Other flammability

Not applicable.

Vapour pressure

Not available.

Vapour density

Not available.

Relative density

1.10 @ 25°C

Bulk density

Not applicable.

Solubility(ies)

Immiscible with water.

Partition coefficient

Not available.

Auto-ignition temperature

Not available.

Decomposition Temperature

Not available.

CONBEXTRA EPGP BASE**Viscosity**

28 P @ 20°C

Explosive properties

Not applicable.

Explosive under the influence of a flame

Not considered to be explosive.

Oxidising properties

Not available.

9.2. Other information**Other information**

Not available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Hazardous polymerisation will not occur.

10.2. Chemical stability**Stability**

Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials**Materials to avoid**

Not available.

10.6. Hazardous decomposition productsFire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicological effects**

No information available.

Inhalation

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.

Skin contact

May cause sensitisation by skin contact.

Eye contact

Irritating to eyes.

SECTION 12: Ecological Information**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

12.1. Toxicity

No data available

12.2. Persistence and degradability**12.3. Bioaccumulative potential****Partition coefficient**

Not available.

12.4. Mobility in soil

CONBEXTRA EPGP BASE**12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects**

Not available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****General information**

Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.

SECTION 14: Transport information**14.1. UN number**

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

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW ≤ 700), SOLVENT NAPHTHA)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW ≤ 700), SOLVENT NAPHTHA)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW ≤ 700), SOLVENT NAPHTHA)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW ≤ 700), SOLVENT NAPHTHA)

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID subsidiary risk	
ADR/RID label	9
IMDG class	9
IMDG subsidiary risk	
ICAO class/division	9
ICAO subsidiary risk	
Transport labels	

**14.4. Packing group**

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



Yes.

14.6. Special precautions for user

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

CONBEXTRA EPGP BASE

Hazard Identification Number 90
(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

Not available.

SECTION 16: Other information**General information**

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 12/05/2015

Revision 2

Hazard statements in full

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET**CONBEXTRA EPGP FILLER****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name CONBEXTRA EPGP FILLER
Product number A1166006AE1, A1166010AE1

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

Identified uses Filler component of three part of epoxy resin system

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****Physical hazards**

Not Classified

Health hazards

Eye Irrit. 2 - H319 STOT SE 3 - H335

Environmental hazards

Not Classified

Human health

Dust or splashes from the mixture may cause permanent eye damage. Dust may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Dust has an irritating effect on moist skin. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Environmental

The product will harden into a solid mass in contact with water and moisture. The resultant material is not biodegradable.

2.2. Label elements**Pictogram****Signal word**

Warning

Hazard statements

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulations.

Contains

SILICA SAND

2.3. Other hazards

CONBEXTRA EPGP FILLER

None known.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

CALCIUM CARBONATE		30-60%
CAS number: 1317-65-3 EC number: –		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Not Classified	-	
SILICA SAND		10-30%
CAS number: 14808-60-7 EC number: –		
Classification	Classification (67/548/EEC or 1999/45/EC)	
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****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. Show this Safety Data Sheet to the medical personnel.

Ingestion

Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

4.2. Most important symptoms and effects, both acute and delayed**General information**

No additional symptoms and effects are anticipated.

4.3. Indication of any immediate medical attention and special treatment needed**Notes for the doctor**

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture**Specific hazards**

Non-flammable and non-explosive

5.3. Advice for firefighters**Special protective equipment for firefighters**

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

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions**

Avoid inhalation of dust. Use work methods which minimize dust production. Avoid contact with eyes and prolonged skin

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contact. For personal protection, see Section 8.

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.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

For waste disposal, see Section 13. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Good personal hygiene procedures should be implemented. Avoid generation and spreading of dust. Avoid inhalation of dust. Avoid contact with eyes and prolonged skin contact. Mechanical ventilation may be required. Change contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in a dry place. Keep container tightly closed. Store locked up.

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

CALCIUM CARBONATE

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

SILICA SAND

Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

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

Personal protection

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. This product may present a chromate (VI) allergy risk. It contains a chromate reducing agent, but users should wear appropriate personal protective equipment.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. (conform EN 166)

Hand protection

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Wear protective gloves. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. If signs of wear and tear are noticed then the gloves should be replaced.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

This product contains silica sands.

The grain size distribution of silica sand present means that it is not classified as hazardous.

However, any respirable crystalline dust generated by secondary processing may cause health effects.

Prolonged and /or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness.

Occupational exposure to respirable crystalline silica dust should be monitored and controlled. Change contaminated clothing.

When using do not eat, drink or smoke.

Respiratory protection

Wear a suitable dust mask. Wear a respirator fitted with the following cartridge: Particulate filter, type P2. (EN 149)

Environmental exposure controls

Not available

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Granules.

Colour

Grey.

Odour

Odourless.

Odour threshold

Not available.

pH

Not applicable.

Melting point

Not determined.

Initial boiling point and range

Not applicable.

Flash point

Not applicable.

Evaporation rate

Not applicable.

Evaporation factor

Not applicable.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Not applicable.

Other flammability

Not applicable.

Vapour pressure

Not available.

Vapour density

Not available.

Relative density

1.5 @ 20°C

Bulk density

Not available.

Solubility(ies)

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Insoluble in water.

Partition coefficient

Not applicable.

Auto-ignition temperature

Not applicable.

Decomposition Temperature

Not available.

Viscosity

Not available.

Explosive properties

Not available.

Explosive under the influence of a flame

Not available.

Oxidising properties

Not known.

9.2. Other information**Other information**

No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable

10.2. Chemical stability**Stability**

The product will harden into a solid mass in contact with water and moisture. Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Not available.

10.4. Conditions to avoid

Not available.

10.5. Incompatible materials**Materials to avoid**

Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects**Inhalation**

Dust may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion

Not likely, due to the form of the product. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Eye contact

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. Immediate first aid is necessary.

Acute and chronic health hazards

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

SECTION 12: Ecological Information

Ecotoxicity

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

12.1. Toxicity

Not relevant.

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12.2. Persistence and degradability

Persistence and degradability

The product is not biodegradable.

12.3. Bioaccumulative potential

Partition coefficient

Not applicable.

12.4. Mobility in soil

Mobility

The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. 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. Note that fully cured material is not considered as hazardous waste.

Waste class

Waste from residues: 17-09-03

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
Road transport notes	Not classified.
Rail transport notes	Not classified.
Sea transport notes	Not classified.
Air transport notes	Not classified.

14.1. UN number

UN No. (IMDG)

UN No. (ICAO)

14.2. UN proper shipping name

14.3. Transport hazard class(es)

ADR/RID class

ADR/RID subsidiary risk

ADR/RID label

IMDG class

IMDG subsidiary risk

ICAO class/division

ICAO subsidiary risk

Transport labels

14.4. Packing group

ADR/RID packing group

IMDG packing group

ICAO packing group

CONBEXTRA EPGP FILLER**14.5. Environmental hazards****Environmentally hazardous substance/marine pollutant**

No.

14.6. Special precautions for user**EmS****Emergency Action Code****Hazard Identification Number
(ADR/RID)****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not available.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

Not available.

SECTION 16: Other information**General information**

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 14/05/2015**Revision** 3**Hazard statements in full**

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Disclaimer

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**CONBEXTRA EPGP HARDENER****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name CONBEXTRA EPGP HARDENER

Product number A1166007AE1, A1166008AE1

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

Identified uses Hardener for three-part epoxy system

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****Physical hazards**

Not Classified

Health hazards

Acute Tox. 1 - H300 Skin Corr. 1B - H314 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1B - H350 Repr. 1B - H360 STOT SE 2 - H371 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304

Environmental hazards

Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

2.2. Label elements**Pictogram****Signal word**

Danger

Hazard statements

H300 Fatal if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H360 May damage fertility or the unborn child.
H371 May cause damage to organs .
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

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P260 Do not breathe vapour/spray.

P264 Wash contaminated skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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, SOLVENT NAPHTHA, POLYMER OF C-18 UNSATURATED FATTY ACID DIMER WITH TRIETHYLENETETRAMINE & TALL OIL FATTY ACIDS, 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL, 4,4'-METHYLENEDIANILINE, DIBUTYL PHTHALATE: DBP, TRIETHYLENETETRAMINE, Bis(dimethylaminomethyl)phenol

2.3. Other hazards

No other information known.

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	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 1 - H300		
Acute Tox. 4 - H312		
Skin Corr. 1B - H314		
Skin Sens. 1 - H317		
Aquatic Chronic 3 - H412		
SOLVENT NAPHTHA		30-60%
CAS number: 64742-95-6 EC number: 265-199-0 REACH registration number: 01-2119455851-35		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226		
STOT SE 3 - H335, H336		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		
POLYMER OF C-18 UNSATURATED FATTY ACID DIMER WITH TRIETHYLENETETRAMINE & TALL OIL FATTY ACIDS		10-30%
CAS number: 68082-29-1 EC number: —		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL		5-10%
CAS number: 90-72-2 EC number: 202-013-9		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Acute Tox. 4 - H302		
Xn;R22 Xi;R36/38		

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DIBUTYL PHTHALATE: DBP 1-5% CAS number: 84-74-2 EC number: 201-557-4 M factor (Acute) = 10 M factor (Chronic) = 10	
Classification Repr. 1B - H360 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC)
4,4'-METHYLENEDIANILINE 1-5% CAS number: 101-77-9 EC number: 202-974-4	
Classification Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1B - H350 STOT SE 1 - H370 STOT RE 2 - H373 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC)
TRIETHYLENETETRAMINE 1-5% CAS number: 112-24-3 EC number: 203-950-6	
Classification Acute Tox. 4 - H312 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC)

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**

Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed**General information**

Keep affected person under observation.

4.3. Indication of any immediate medical attention and special treatment needed**Notes for the doctor**

No specific recommendations.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

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

CONBEXTRA EPGP HARDENER

5.2. Special hazards arising from the substance or mixture

Specific hazards

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special protective equipment for firefighters

Use special protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions

Avoid or minimise the creation of any environmental contamination.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Do not touch or walk into spilled material. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Avoid spilling. Avoid contact with skin and eyes.

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. Keep only in the original container.

Storage class

Corrosive 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

SOLVENT NAPHTHA

Long-term exposure limit (8-hour TWA): WEL 19 ppm

DIBUTYL PHTHALATE: DBP

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

Short-term exposure limit (15-minute): WEL 10 mg/m³

4,4'-METHYLENEDIANILINE

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

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

WEL = Workplace Exposure Limit

Ingredient comments

WEL = Workplace Exposure Limits

CONBEXTRA EPGP HARDENER**ISOPHORONEDIAMINE (CAS: 2855-13-2)**

PNEC
 - Fresh water; 0.06 mg/l
 - Marine water; 0.006 mg/l

SOLVENT NAPHTHA (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

DIBUTYL PHTHALATE: DBP (CAS: 84-74-2)**Ingredient comments**

WEL = Workplace Exposure Limits

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

TRIETHYLENETETRAMINE (CAS: 112-24-3)

PNEC
 Not available.

Bis(dimethylaminomethyl)phenol (CAS: 71074-89-0)

PNEC
 - Fresh water; 0.084 mg/l
 - Marine water; 0.0084 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. 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.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

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

Respiratory protection

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

Environmental exposure controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Avoid release to the environment.

SECTION 9: Physical and Chemical Properties**9.1. Information on basic physical and chemical properties****Appearance**

Liquid.

Colour

Yellow-Brown

CONBEXTRA EPGP HARDENER**Odour**

Amine.

Odour threshold

Not available.

pH

Not determined.

Melting point

Not applicable.

Initial boiling point and range

Not available.

Flash point

Not applicable.

Evaporation rate

Not available.

Evaporation factor

Not available.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Not applicable.

Other flammability

Not applicable.

Vapour pressure

Not available.

Vapour density

Not available.

Relative density

0.90 @ 25°C

Bulk density

Not applicable.

Solubility(ies)

Immiscible with water.

Partition coefficient

Not available.

Auto-ignition temperature

Not available.

Decomposition Temperature

Not available.

Viscosity

2 P @ 20°C

Explosive properties

Not applicable.

Explosive under the influence of a flame

Not considered to be explosive.

Oxidising properties

Not available.

9.2. Other information**Other information**

No information required.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable at normal ambient temperatures and when used as recommended.

10.2. Chemical stability

CONBEXTRA EPGP HARDENER

Stability

Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Not available.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid

Not available.

10.6. 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)

3.03995552

Acute toxicity - dermal

ATE dermal (mg/kg)

3094.23347398

Inhalation

Harmful by inhalation. May cause respiratory irritation. May cause drowsiness or dizziness.

Ingestion

Fatal if swallowed. May be fatal if swallowed and enters airways.

Skin contact

Causes severe skin burns and eye damage. May cause an allergic skin reaction.

Eye contact

Causes serious eye irritation.

Acute and chronic health hazards

May cause cancer. May damage fertility. May cause damage to organs .

SECTION 12: Ecological Information

Ecotoxicity

The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability

Not available.

12.3. Bioaccumulative potential

Partition coefficient

Not available.

12.4. Mobility in soil

Mobility

Not available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

CONBEXTRA EPGP HARDENER**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**14.1. UN number**

UN No. (ADR/RID)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CORROSIVE LIQUID, N.O.S. (ISOPHORONEDIAMINE, SOLVENT NAPHTHA)
Proper shipping name (IMDG)	CORROSIVE LIQUID, N.O.S. (ISOPHORONEDIAMINE, SOLVENT NAPHTHA)
Proper shipping name (ICAO)	CORROSIVE LIQUID, N.O.S. (ISOPHORONEDIAMINE, SOLVENT NAPHTHA)
Proper shipping name (ADN)	CORROSIVE LIQUID, N.O.S. (ISOPHORONEDIAMINE, SOLVENT NAPHTHA)

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID subsidiary risk	
ADR/RID label	8
IMDG class	8
IMDG subsidiary risk	
ICAO class/division	8
ICAO subsidiary risk	
Transport labels	

**14.4. Packing group**

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



Yes.

14.6. Special precautions for user

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

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not available.

SECTION 15: Regulatory information

CONBEXTRA EPGP HARDENER

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

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

Not available.

SECTION 16: Other information

General information

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 13/05/2015

Revision 2

Hazard statements in full

H226 Flammable liquid and vapour.
H300 Fatal 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.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H360 May damage fertility or the unborn child.
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.

Disclaimer

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.