

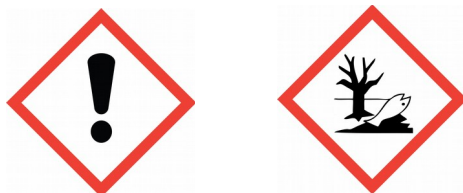
Material Safety Data Sheet

1. Identification of the Substance / Mixture and of the Company

- 1.1 PRODUCT IDENTIFICATION
Deck Grout EP Part A
- 1.2 PRODUCT USE
Epoxy Tile Grout
- 1.3 COMPANY IDENTIFICATION
Jaisons Engineering Technologies
Gat. No. 322/C, Plot No. 2
Vishwachaya Industrial Area
Pirangut, Pune – 412115
India
Tel: +91 20 2544 9985
E-mail: factory@jaisonsgroup.com
Web: constructions.jaisonsgroup.com
- 1.4 EMERGENCY TELEPHONE NUMBERS
During normal Pacific Standard Time (PST)
+91 20 2544 9985
All other times, and in times of unavailability, contact your local emergency services.

2. Hazards Identification

- 2.1 Mixture Classification according to Regulation (EC) No 1272/2008
- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2 H319 Causes serious eye irritation.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
- 2.2 LABEL ELEMENTS: in Accordance with GHS (5th Edition)



3. Composition / Information on Ingredients

Names	Risk Phrases	CAS No.	Content %
bisphenol-A-	Skin Irrit. 2, H315, Eye Irrit.	9057-91-4	80% - 100%

(epichlorhydrin) epoxy resin	2, H319; Skin Sens. 1, H317		
------------------------------	-----------------------------	--	--

4. **First Aid Measures**

4.1 DESCRIPTION OF FIRST AID MEASURES

General information Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 4-8 hours after the accident.
Do not leave affected persons unattended.
Personal protection for the First Aider.
Take affected persons out of danger area and lay down

After inhalation In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air; consult doctor in case of complaints.

After skin contact Immediately wash with water and soap and rinse thoroughly.
Seek medical treatment in case of complaints.

After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Protect unharmed eye.

After swallowing If symptoms persist consult doctor

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No further relevant information available.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No further relevant information available.

5. **Firefighting Measures**

5.1 EXTINGUISHING MEDIA

Suitable extinguishing agents CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No further relevant information available.

5.3 ADVICE FOR FIREFIGHTERS

Do not inhale explosion gases or combustion gases

Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6.	Accidental Release Measures
6.1	<p>PERSONAL PROTECTIVE MEASURES</p> <p>Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources.</p>
6.2	<p>ENVIRONMENT PROTECTION MEASURES</p> <p>Inform respective authorities in case of seepage in to water course or sewage system. Prevent from spreading (e.g. by damming-in or oil barriers). Do not allow to enter sewers/ surface or ground water.</p>
6.3	<p>METHODS FOR CLEANING UP</p> <p>Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). The polyurethane can be neutralized by some water (or mix water + ethanol). Attention this reaction release some gas (CO₂). Never store a container closed hermetically containing some water and the polyurethane.</p>
7.	Handling & Storage
7.1	<p>PRECAUTIONS FOR SAFE HANDLING</p> <p>Store in cool, dry place in tightly closed receptacles. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.</p>
Information about fire - and explosion protection	<p>Keep ignition sources away - Do not smoke. Protect against electrostatic charges.</p>
7.2	STORAGE
Requirements to be met by storerooms and receptacles	<p>Store only in the original receptacle.</p>
Information about storage in one common storage facility	<p>Store away from foodstuffs.</p>
Further information about storage conditions	<p>Protect from frost. Store in dry conditions. Keep container tightly sealed. Recommended storage temperature: 10-30 °C</p>
7.3	<p>SPECIFIC END USE(S)</p> <p>No further relevant information available.</p>
8.	Exposure Control / Personal Protection
General protective and hygienic	<p>The usual precautionary measures are to be adhered to when handling chemicals.</p>

measures	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
Respiratory protection	When used properly and under normal conditions, breathing protection is not required. Use suitable respiratory protective device in case of insufficient ventilation.
Protection of hands	Check protective gloves prior to each use for their proper condition. Only use chemical-protective gloves with CE-labeling of category III. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Eye protection	Use tightly sealed protective goggles

9. Physical & Chemical Properties

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear yellow viscous liquid
Odour	Aromatic
pH	Not determined
Initial Boiling Point	Not determined
Flash Point	>100 °C
Flammability	Not applicable
Ignition Temperature	>300°C
Explosive Properties	Product is not explosive.
Water Solubility	Not miscible or difficult to mix
Specific gravity	1.04
Boiling point	None (polymeric resin)
Freezing point	None (polymeric resin)
Solvent content (VOC)	Nil
Viscosity	9 Poise

10. Stability & Reactivity

10.1 STABILITY

Stable under normal temperatures and pressures.

10.2 THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED

The product does not decompose if it is used according to the prescriptions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

- 10.4 **CONDITIONS TO AVOID**
 No further relevant information available.
- 10.5 **INCOMPATIBLE MATERIALS**
 No further relevant information available.
- 10.6 **HAZARDOUS DECOMPOSITION PRODUCTS**
 No dangerous decomposition products known.

11. Toxicological Information
 No information is available for this product. The information below is based on profiles of compositionally similar materials.

- Acute Oral Toxicity : LD50 rat > 11,000 mg/kg
- Acute Dermal Toxicity : LD50 Rabbit > 2,000 mg/kg
- Skin Irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Causes serious eye irritation
- Respiratory or skin sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 May cause an allergic skin reaction
- CMR effects Based on available data, the classification criteria are not met.

12. Ecological Information

- Ecotoxicological effects Harmful to fish
- General notes Harmful to aquatic organisms Water hazard class 2 (Self-assessment): hazardous for water.
 Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground

13. Disposal Considerations

- Waste treatment methods Must not be disposed together with household garbage. Do not allow product to reach sewage system.
 Disposal according to official regulations.
 Do not throw back to the sewer or in the natural environment
 Deliver the waste to a company specialized in waste collection
- Elimination of the soiled packagings Deliver the soiled packaging to a company specialized in waste collection

14. Transportation Information

- Class 9 Miscellaneous dangerous substances and articles.

Label



15.

Regulatory Information

Xn Harmful

Phrases R

R42 : May cause sensitization by inhalation

Phrases S

S2 : Keep out of the reach of children

S23 : Do not breath vapor

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16.

Other Information

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. The details of this data sheet must be passed on to all personnel handling the product. Please consult the Technical Data Sheet prior to any use and processing.

Material Safety Data Sheet

1. Identification of the Substance / Mixture and of the Company

- 1.1 PRODUCT IDENTIFICATION
Deck Grout EP Part B
- 1.2 PRODUCT USE
Epoxy Tile Grout
- 1.3 COMPANY IDENTIFICATION
Jaisons Engineering Technologies
Gat. No. 322/C, Plot No. 2
Vishwachaya Industrial Area
Pirangut, Pune – 412115
India
Tel: +91 20 2544 9985
E-mail: factory@jaisonsgroup.com
Web: constructions.jaisonsgroup.com
- 1.4 EMERGENCY TELEPHONE NUMBERS
During normal Pacific Standard Time (PST)
+91 20 2544 9985
All other times, and in times of unavailability, contact your local emergency services.

2. Hazards Identification

- 2.1 Mixture Classification according to Regulation (EC) No 1272/2008
- Acute Tox. 4 H302 Harmful if swallowed.
- Acute Tox. 4 H312 Harmful in contact with skin.
- Acute Tox. 4 H332 Harmful if inhaled.
- Skin Corr. 1B H314 Causes severe skin burns and eye damage.
- Eye Dam. 1 H318 Causes serious eye damage.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- 2.2 LABEL ELEMENTS: in Accordance with GHS (5th Edition)



3. Composition / Information on Ingredients

Names	Risk Phrases	CAS No.	Content %
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4,	2855-13-2	15% - 40%

	H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412		
Benzyl alcohol	Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319	100-51-6	20% - 40%

4. **First Aid Measures**

4.1 DESCRIPTION OF FIRST AID MEASURES

General information	Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 4-8 hours after the accident. Do not leave affected persons unattended. Personal protection for the First Aider. Take affected persons out of danger area and lay down
After inhalation	In case of unconsciousness place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.
After skin contact	Immediately wash with water and soap and rinse thoroughly. Seek medical treatment in case of complaints.
After eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Protect unharmed eye.
After swallowing	If symptoms persist consult doctor

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No further relevant information available.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No further relevant information available.

5. **Firefighting Measures**

5.1 EXTINGUISHING MEDIA

Suitable extinguishing agents CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No further relevant information available.

5.3 ADVICE FOR FIREFIGHTERS

Do not inhale explosion gases or combustion gases

Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6.	Accidental Release Measures
6.1	<p>PERSONAL PROTECTIVE MEASURES</p> <p>Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources.</p>
6.2	<p>ENVIRONMENT PROTECTION MEASURES</p> <p>Inform respective authorities in case of seepage in to water course or sewage system. Prevent from spreading (e.g. by damming-in or oil barriers). Do not allow to enter sewers/ surface or ground water.</p>
6.3	<p>METHODS FOR CLEANING UP</p> <p>Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). The polyurethane can be neutralized by some water (or mix water + ethanol). Attention this reaction release some gas (CO₂). Never store a container closed hermetically containing some water and the polyurethane.</p>
7.	Handling & Storage
7.1	<p>PRECAUTIONS FOR SAFE HANDLING</p> <p>Store in cool, dry place in tightly closed receptacles. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.</p> <p>Information about fire - and explosion protection</p> <p>Keep ignition sources away - Do not smoke. Protect against electrostatic charges.</p>
7.2	<p>STORAGE</p> <p>Store only in the original receptacle.</p> <p>Requirements to be met by storerooms and receptacles</p> <p>Store away from foodstuffs.</p> <p>Information about storage in one common storage facility</p> <p>Further information about storage conditions</p> <p>Protect from frost. Store in dry conditions. Keep container tightly sealed. Recommended storage temperature: 10-30 °C</p>
7.3	<p>SPECIFIC END USE(S)</p> <p>No further relevant information available.</p>
8.	Exposure Control / Personal Protection
General protective	The usual precautionary measures are to be adhered to when handling

and hygienic measures	chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
Respiratory protection	When used properly and under normal conditions, breathing protection is not required. Use suitable respiratory protective device in case of insufficient ventilation.
Protection of hands	Check protective gloves prior to each use for their proper condition. Only use chemical-protective gloves with CE-labeling of category III. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Eye protection	Use tightly sealed protective goggles

9. Physical & Chemical Properties

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear yellow viscous liquid
Odour	Aromatic
pH	>11
Boiling Point	>200°C
Flash Point	>100 °C
Flammability	Not applicable
Ignition Temperature	>380°C
Explosive Properties	Product is not explosive.
Water Solubility	Not miscible or difficult to mix
Specific gravity	1.04
Solvent content (VOC)	Nil
Viscosity	200 Centi Poise

10. Stability & Reactivity

10.1 STABILITY

Stable under normal temperatures and pressures.

10.2 THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED

The product does not decompose if it is used according to the prescriptions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

10.4 CONDITIONS TO AVOID

10.5 No further relevant information available.

INCOMPATIBLE MATERIALS

No further relevant information available.

10.6 **HAZARDOUS DECOMPOSITION PRODUCTS**

No dangerous decomposition products known.

11. Toxicological Information

No information is available for this product. The information below is based on profiles of compositionally similar materials.

Acute Oral Toxicity : LD50 rat > 1,000 mg/kg

Acute Dermal Toxicity : LD50 Rabbit > 2,000 mg/kg

Skin Irritation Causes severe skin burns.

Serious eye damage/irritation Causes serious eye irritation

Respiratory or skin sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction

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

12. Ecological Information

Ecotoxicological effects Harmful to fish

General notes Harmful to aquatic organisms Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground

13. Disposal Considerations

Waste treatment methods Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal according to official regulations.

Do not throw back to the sewer or in the natural environment

Deliver the waste to a company specialized in waste collection

Elimination of the soiled packagings Deliver the soiled packaging to a company specialized in waste collection

14. Transportation Information

Class 8 Corrosive substances

Label



15. Regulatory Information

Xn Harmful

Phrases R

R42 : May cause sensitization by inhalation

Phrases S

S2 : Keep out of the reach of children

S23 : Do not breath vapor

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other Information

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. The details of this data sheet must be passed on to all personnel handling the product. Please consult the Technical Data Sheet prior to any use and processing.

Material Safety Data Sheet

1. Identification of the Substance / Mixture and of the Company

- 1.1 PRODUCT IDENTIFICATION
Deck Grout EP Part C
- 1.2 PRODUCT USE
Epoxy Tile Grout
- 1.3 COMPANY IDENTIFICATION
Jaisons Engineering Technologies
Gat. No. 322/C, Plot No. 2
Vishwachaya Industrial Area
Pirangut, Pune – 412115
India
Tel: +91 20 2544 9985
E-mail: factory@jaisonsgroup.com
Web: constructions.jaisonsgroup.com
- 1.4 EMERGENCY TELEPHONE NUMBERS
During normal Pacific Standard Time (PST)
+91 20 2544 9985
All other times, and in times of unavailability, contact your local emergency services.

2. Hazards Identification

- 2.1 Mixture Classification according to Regulation (EC) No 1272/2008
- Acute Tox. 4 H302 Harmful if swallowed.
- Acute Tox. 4 H312 Harmful in contact with skin.
- Acute Tox. 4 H350 May cause cancer by inhalation
- Acute Tox. 4 H373 May cause damage to organs through prolonged or repeat exposure
- Eye Dam. 1 H318 Causes serious eye damage.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- 2.2 LABEL ELEMENTS: in Accordance with GHS (5th Edition)



3. Composition / Information on Ingredients

Names	Risk Phrases	CAS No.	Content %
Silicon Dioxide, Silica Sand, Crystalline Silica	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317;	14808-60-7	65% - 90%

Amorphous Silica Mixture	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317;		10% - 35%
--------------------------	-------------------------------------------------------------	--	-----------

4. **First Aid Measures**

4.1 DESCRIPTION OF FIRST AID MEASURES

- After inhalation Remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms call poison center or doctor.
- After skin contact Immediately wash with water and soap and rinse thoroughly.
Seek medical treatment in case of complaints.
- After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Protect unharmed eye.
- After swallowing If symptoms persist consult doctor

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No further relevant information available.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No further relevant information available.

5. **Firefighting Measures**

5.1 EXTINGUISHING MEDIA

- Suitable extinguishing agents CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No further relevant information available.

5.3 ADVICE FOR FIREFIGHTERS

Do not inhale explosion gases or combustion gases

- Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. **Accidental Release Measures**

6.1 PERSONAL PROTECTIVE MEASURES

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Avoid inhalation of dust. Do not get into eyes, on skin, or clothing.

6.2 ENVIRONMENT PROTECTION MEASURES

Inform respective authorities in case of seepage in to water course or sewage system.

Prevent from spreading (e.g. by damming-in or oil barriers).

Do not allow to enter sewers/ surface or ground water.

6.3 METHODS FOR CLEANING UP

Cover powder spill with plastic sheet or tarp to minimize spreading. Collect this material into a disposal container by sucking or sweeping up.

Pick up and transfer to properly labeled containers.

7. Handling & Storage

7.1 PRECAUTIONS FOR SAFE HANDLING

Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Do not breathe dust. Prevent contact with skin, eyes, and clothing. Wash thoroughly after handling.

7.2 STORAGE

Keep containers tightly closed in a cool, dry, and well-ventilated place. Store locked up.

7.3 SPECIFIC END USE(S)

No further relevant information available.

8. Exposure Control / Personal Protection

General protective measures Handle according to established industrial hygiene and safety practices.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Protection of hands Impervious gloves. Impervious clothing.

Eye protection Use tightly sealed protective goggles

9. Physical & Chemical Properties

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance Granular Powder

Odour None

Physical State Solid Powder

pH n.a.

Boiling Point n.a.

Flash Point n.a.

Flammability Not applicable

Ignition Temperature	n.a.
Explosive Properties	Product is not explosive.
Water Solubility	Not miscible
Specific gravity	2.5 – 2.8
Solvent content (VOC)	Nil
Viscosity	n.a.

10. Stability & Reactivity

10.1	STABILITY Stable under normal temperatures and pressures.
10.2	THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED The product does not decompose if it is used according to the prescriptions.
10.3	POSSIBILITY OF HAZARDOUS REACTIONS No dangerous reactions known.
10.4	CONDITIONS TO AVOID No further relevant information available.
10.5	INCOMPATIBLE MATERIALS No further relevant information available.
10.6	HAZARDOUS DECOMPOSITION PRODUCTS No dangerous decomposition products known.

11. Toxicological Information

No information is available for this product. The information below is based on profiles of compositionally similar materials.

Acute Oral Toxicity	: LD50 rat > 500 mg/kg
Skin Contact	Irritating to skin. May cause allergic skin reaction.
Eye Contact	Risk of serious damage to eyes.
Inhalation	Irritating to respiratory system. Irritating to mucous membranes.
CMR effects	Based on available data, the classification criteria are not met.

12. Ecological Information

Aquatic Toxicity	The environmental impact of this product has not been fully investigated.
General notes	This statement was deduced from products with a similar structure or composition. Due to available data on eliminability/decomposition and bio-accumulation potential prolonged term damage of the environment cannot be excluded. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Poisonous for fish and plankton in water bodies and toxic for aquatic

organisms until alkaline pH is neutralized.

13.

Disposal Considerations

Waste treatment
methods

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal according to official regulations.

Do not throw back to the sewer or in the natural environment

Deliver the waste to a company specialized in waste collection

Elimination of the
soiled packagings

Deliver the soiled packaging to a company specialized in waste collection

14.

Transportation Information

Class

Not regulated

Label



15.

Regulatory Information

Xn Harmful

Phrases R

R42 : May cause sensitization by inhalation

Phrases S

S2 : Keep out of the reach of children

S23 : Do not breath vapor

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16.

Other Information

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. The details of this data sheet must be passed on to all personnel handling the product. Please consult the Technical Data Sheet prior to any use and processing.