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# SAFETY DATA SHEET

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## A. Identification of the Substance / Preparation and of the Company Undertaking

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Product Name: SpEC Tuftile – Fine Powder  
Company: Speciality Engineering Chemicals  
Address: P.O Box No. 61347, Dubai, U.A.E  
Telephone: +9714-8836662 Facsimile: +9714-8837696  
E-mail: info@spec.ae Web site: www.spec.ws

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## B. Composition / Information on Ingredients

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This material is classified in Guidance Note EH 40/88 as a non-siliceous mineral dust. Adequate respiratory protection is advised however in dusty situations. No problems arise in connection with the implementation of COSHH other than in the general classification that no more than 10mg/m of any dust is acceptable in any working atmosphere

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## C. Hazards Identification

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Non-hazardous

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## D. First Aid Measures

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Eyes: In case of contact with eyes irrigate with copious amounts of cold water in dusty situations the wearing of sealed eye protection is advised. The use of local exhaust ventilation is advised to prevent dusty conditions arising.

Skin: No special precautions needed.

Inhalation: Adequate respiratory protection is advised in dusty conditions.

Ingestion: No special precautions are considered necessary. The material is an ingredient of certain animal foods and medicines.

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## E. Fire Fighting Measures

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Totally non-flammable and non-explosive. Is suitable for use as a represent in potentially explosive situations, i.e. coal mines and as a fire extinguishing agent.

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## F. Accidental Release Measures

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Brush material up and place in skip for disposal.

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## G. Handling and Storage

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**H. Exposure Controls / Personal Protection**

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Eyes: Glasses or Goggles

Skin: Gloves

Inhalation: Respirator

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**I. Physical and Chemical Properties**

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Appearance: White Powder

Specific Gravity @20°C 2.0

Solubility: Non-soluble

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**J. Stability and Reactivity**

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Stable

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**K. Toxicological Information**

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Non-toxic

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**L. Ecological Information**

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Not applicable.

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**M. Disposal Considerations**

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Dispose material according to Local Authority Regulations.

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**N. Transport Information**

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Classification for Transport: Non-hazardous

UN Number: Not applicable

Packing Group: Not applicable

Shipping Name: Not applicable

IMO Class: Not applicable

ARD/RID: Not applicable

IMDG Page: Not applicable

ICAO/IATA: Not applicable

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**O. Regulatory Information**

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Risk Phrases: Not applicable

Safety Phrases: Not applicable

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**P. Other Information**

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No data available.

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# SAFETY DATA SHEET

## A. Identification of the Substance / Preparation and of the Company Undertaking

Product Name: SpEC Tuftile – Hardener  
Product Application: Multi purpose water dispersible epoxy coating system  
Company: Speciality Engineering Chemicals  
Address: P.O Box No. 61347, Dubai, U.A.E  
Telephone: +9714-8836662 Facsimile: +9714-8837696  
E-mail: info@spec.ae Web site: www.spec.ws

## B. Composition / Information on Ingredients

General: Polyamide Solution

Cas Number	Chemical Name	%	Classification
68131-73-7	Ployethylene Polyamines	<3	C,R21/22 R34 R43

## C. Hazards Identification

Irritating to eyes and skin (R36/R38)  
May cause sensitization by skin (R43)

Signs and Symptoms of Exposure (possible long term effects):  
Repeated and/or prolonged exposure may result in: adverse skin effects (such as defatting, rash irritation or corrosion); adverse eye effects such as conjunctivitis or corneal damage.

## D. First Aid Measures

Contact skin and eyes may cause irritation, redness and discomfort which is transient. Inhalation of vapours may cause irritation in the respiratory tract. Coughing and chest pain may result. Ingestion may cause headache, nausea, vomiting.

Eyes: Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. Seek medical advice.

Skin: Remove product and immediately flush affected area with water for at least 15 minutes. Remove contaminated clothing and shoes. Wash before re-use. Seek medical advice.

Inhalation: Move patient to fresh air breathing has stopped or is laboured give assisted respiration (e.g. mouth to mouth). Supplemental oxygen maybe indicated. Seek medical advice.

Ingestion: If swallowed, seek medical advice immediately. Never give anything by mouth to an unconscious person.

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## **E. Fire Fighting Measures**

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Suitable Extinguishing Media:	The product will only burn after the water contents is driven off. In case of fire, use water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol foam.
Special Exposure Hazards:	May generate toxic nitrogen oxide gases. May generate toxic, irritating or flammable combustion products. Sudden reaction and fire may result if product is mixed with an oxidizing agent.
Special Fire Fighting Procedures:	Fire fighters should wear butyl rubber boots, gloves and body suit and self-contained breathing apparatus. Shut off gas supply. Keep container cool with water. Contain runoff water in dikes. Prevent stream contaminations.

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## **F. Accidental Release Measures**

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Precautions:	Avoid contamination of ground and surface waters. Notify local health authorities and other appropriate agencies if such contamination should occur. Wear protective clothing, boots, gloves and eye protection. Potential for carbon monoxide and/or nitrous oxides generation in fire must be recognized.
Methods for Cleaning Up:	If recovery is not feasible, mix with dry soil, sand or non-reactive absorbent and place in a container or dumpster pending disposal. Flush area with water spray.

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## **G. Handling and Storage**

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Handling:	Avoid contact with skin, eyes or clothing. Handle in well ventilated work space. Avoid breathing of vapours. Remove all equipment which may be a source of ignition from vicinity while handling.
Storage:	Keep in cool dry, ventilated storage and in closed containers. Keep away from oxidizers, heat or flames. Protect containers against physical damage.

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## **H. Exposure Controls / Personal Protection**

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Eyes:	Chemical safety glasses and splash proof goggles. In emergency situation, use eye goggles with a full face shield.
Skin:	Wear suitable protective clothing (S36) long sleeved clothing.
Respiratory Protection:	Not required under normal conditions. In poorly ventilated areas, a cartridge mask approved for organic vapours is recommended.
Hand Protection:	Nitrile rubber. In emergency situations wear impermeable gloves with cuffs to prevent spread of material to areas above the wrist.

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## **I. Physical and Chemical Properties**

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Appearance:	Pigmented (Various)
Odour:	Faint
Specific Gravity:	1.15
pH:	N/A
Solubility:	Miscible in water

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## J. Stability and Reactivity

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Conditions to avoid: Not applicable

Hazardous Decomposition Products: Carbon Monoxide in a fire; ammonia when heated. Nitrogen Oxides in a fire, Nitrogen Oxides formed can react with water to form corrosive Nitric acid. Irritating and toxic fumes at elevated temperatures. Combustion of product under oxygen starved conditions can be expected to produce numerous toxic products including nitriles amides.

Hazardous Polymerization: Will not occur

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## K. Toxicological Information

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No data available.

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## L. Ecological Information

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No data available.

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## M. Disposal Considerations

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Dispose in accordance with local and national regulations. Example, in the UK regulations made under the Control of Pollution Act 1974 and the Environmental Protection Act 1990. Wear protective clothing during disposal operations is disposal is by a waste contractor make sure that he has sufficient information and the waste containers are properly labeled.

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## N. Transport Information

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ADR/RID Shipping Data: Not required

IMO Shipping Data: Resin Compound not IMO Regulated

ICAO/IATA Shipping Data Resin Compound not IATA Regulated

Marine Pollutant: No

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## O. Regulatory Information

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EEC Symbol: Irritant (X)

Risk Phrases: Irritating to eyes and skin (R36/R38)  
May cause sensitization by skin contact (R43)

Safety Phrases: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S28). Avoid contact with skin (S24)

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## P. Other Information

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This safety data sheet has been written to comply with directives 91/155EEC (the safety data sheet directive) and 88/379EEC (the general preparations directive)

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# SAFETY DATA SHEET

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## A. Identification of the Substance / Preparation and of the Company Undertaking

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Product Name: SpEC Tuftile – Resin Base  
Product Application: Resin for Epoxy Grouts  
Company: Speciality Engineering Chemicals  
Address: P.O Box No. 61347, Dubai, U.A.E  
Telephone: +9714-8836662 Facsimile: +9714-8837696  
E-mail: info@spec.ae Web site: www.spec.ws

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## B. Composition / Information on Ingredients

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General:	CAS No:	Preparation		
CAS Number:	Chemical Name	%		Classification
	Modified liquid Bisphenol	A - Epichlorohydrin		

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## C. Hazards Identification

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Eyes: Irritating to eyes (R36)  
Skin: Irritating to skin (R38)  
May cause sensitization by skin contact (R43)

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## D. First Aid Measures

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Eyes: Flush eyes immediately with plenty of water for at least 15 minutes. Eyelids should be held apart during irrigation to ensure water contact with entire surface of eye and lids. Seek medical advice.  
Skin: Remove product and immediately flush affected area with water. Seek medical advice  
Inhalation: Remove to fresh air. Seek medical  
Ingestion: In the event of ingestion administer 3-4 glasses of milk or water. Do not induce vomiting. Seek medical advice.

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## E. Fire Fighting Measures

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Non-flammable at room temperature but will burn. In case of fire use, water spray, carbon dioxide (CO<sub>2</sub>), dry chemical extinguishers. Use water to keep fire-exposed containers cool. For large fires fire-fighters should wear emergency protective equipment and a self-contained breathing apparatus.

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## **F. Accidental Release Measures**

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Always wear appropriate protective clothing.

Large Quantities: Contain and absorb with sand or sawdust prevent from entering drains or watercourses, should this occur the relevant Local Authority must be notified.

Small Quantities: Soak up with absorbent material and remove to chemical disposal area.

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## **G. Handling and Storage**

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Handling: Avoid contact with skin, eyes or clothing. Handle in well ventilated work space. Avoid breathing of vapours.

Storage: Store in cool dry place in tightly sealed containers. Keep away from heat light moisture and air.

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## **H. Exposure Controls / Personal Protection**

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Engineering Controls: The following exposure control techniques may be used to effectively minimize employee exposure; local exhaust ventilation, enclosed system design, process isolation and promote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We therefore recommend that you consult with experts of your choice to determine whether or not your programs are adequate.

If airbourne contaminants are generated when the materials is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminants concentrated below acceptable levels. Refer to section 2 which details specific exposure limits where applicable.

Eye: Use eye goggles if contact is likely.

Skin: Wear gloves as required to prevent skin contact.

Inhalation: Where air contaminants exceed acceptable criteria use approved respiratory protection equipment.

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## **I. Physical and Chemical Properties**

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Appearance: Pale yellow liquid

Odour: Slightly sweet

Specific Gravity @ 20°C: 1.2

Viscosity: 0.90 pa.s @ 2.5%

Solubility: Not Miscible

Vapour Pressure @ 20°C: } L 0.1 m bar

Vapour Density (air=1): } N/A

Pour Point / Melting Point °C: } N/A

Boiling Point °C: > 150°C

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## J. Stability and Reactivity

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Normally considered stable and inert.

Conditions to avoid:	None known
Hazardous Polymerization:	Will not occur
Materials to avoid:	Mineral acids, bases, amines and mercaptans
Thermal Decomposition Products may include:	Oxides of carbon
Other Hazards:	None known

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## K. Toxicological Information

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Ingestion:	May be harmful if swallowed.
Inhalation:	Not expected to be harmful under normal conditions of use. However if allowed to become airborne may cause irritation of nose, throat and lungs.
Skin:	irritating to skin.
Eyes:	Irritating to eyes.

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## L. Ecological Information

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Mobility:	Not determined.
Degradability:	Not determined
Bioaccumulative Potentials:	Not determined
Aquatic Toxicity:	Toxicity to bacteria. Algae and higher marine organisms not tested

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## M. Disposal Considerations

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Do not re-use containers containing residual product without commercial cleaning. All waste should be disposed of using a Registered Waste carrier operating under the Environmental Protection Act (Duty of Care) Regulations 1992 (SI No 2839)

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## N. Transport Information

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UK Supply Classification: 25068-38-6	Irritant contains 4,4-ISOPROPYLIDENEDIPHENOL-EPICHLOROXYDRIN COPOLYMER
Carriage / Conveyance Classification:	Non-classified
UN Number / Tanker Markings:	Non-classified
ARD / IMO / IMDG:	Non-classified
IATA:	Non-classified
HS Code Number:	390730 00 0



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**O. Regulatory Information**

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UK supply classification Irritant, contains  
Modifies Bisphenol A – Epichlorohydrin

Irritating to eyes and skin (R36/38)

May cause sensitization by skin contact (R43)

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

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**P. Other Information**

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No data available.