

## MATERIAL SAFETY DATA SHEET

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### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

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<b>PRODUCT NAME</b>	FLOWGUARD HB PRIMER EPOXY
<b>MSDS REVISION NUMBER</b>	1
<b>MANUFACTURER</b>	Flowcrete SA (Pty) Ltd 176 Voortrekker Street Jacobs 4052
<b>TELEPHONE NUMBER</b>	(031) 461 3411
<b>EMERGENCY TELEPHONE NUMBER(S)</b>	Rob Weyers (031) 461 3411
<b>SYNONYMS</b>	Epoxy Curing Agent
<b>CHEMICAL FAMILY</b>	Polyamide
<b>UN NUMBER</b>	1263
<b>PREPARED</b>	January 2013

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### SECTION 2 - COMPOSITION

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<b>HAZARDOUS COMPONENTS</b>	1. Polyamine 2. Flammable Solvents
<b>R - PHRASES</b>	R 10 / 20 / 21 / 22 / 36 / 38 / 43
<b>S - PHRASES</b>	S 2 / 23 / 24 / 26 / 36 / 37 / 38 / 39 / 45 / 61

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## SECTION 3 - HAZARDS IDENTIFICATION

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<b>FLAMMABILITY</b>	Flammable
<b>HEALTH EFFECTS - EYES</b>	Irritant
<b>HEALTH EFFECTS - SKIN</b>	Irritant
<b>HEALTH EFFECTS - INGESTION</b>	Harmful if swallowed.
<b>HEALTH EFFECTS - INHALATION</b>	Vapours can cause dizziness, headaches and nausea.

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## SECTION 4 - FIRST AID MEASURES

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<b>EYE CONTACT</b>	Hold eye lids apart and immediately flush with plenty of water for at least 15 minutes. Seek medical attention immediately.
<b>SKIN CONTACT</b>	Rinse thoroughly with plenty of soap and water. Remove contaminated clothing and shoes. Seek medical attention if irritation persists.
<b>INGESTION</b>	Immediately give plenty of water. Rinse mouth thoroughly with water. Do not induce vomiting. Seek medical attention immediately.
<b>INHALATION</b>	Move to fresh air. If breathing has stopped or is laboured, give assisted respiration. Seek medical attention immediately.

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## SECTION 5 - FIRE FIGHTING MEASURES

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<b>FIRE RATING</b>	2 - Moderate
<b>PERSONAL PROTECTIVE EQUIPMENT</b>	Self-contained breathing apparatus and protective suit.

## **EXTINGUISHING MEDIA**

Dry chemical, Foam, Carbon Dioxide, Water Fog.

## **SPECIAL FIRE FIGHTING PROCEDURE**

Use water to keep exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapours. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

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## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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### **PERSONAL PRECAUTIONS**

Appropriate PPE and equipment.

### **ENVIRONMENTAL PRECAUTIONS**

Contain or dyke the entire perimeter of the contaminated area. Ensure that the spilled material does not enter any drains, surface or ground water.

### **SPILL CLEAN-UP PROCEDURE**

Working from the outer circumference of the contained spill area, absorb the product with sand or sawdust. Collect and place the contaminated materials in an approved disposal container. Dispose of contaminants in accordance with the Local and National By-laws. Should the spill exceed the in-house capabilities, call a spill responder immediately.

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## **SECTION 7 - HANDLING AND STORAGE**

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### **STORAGE**

Keep in cool, dry, ventilated storage and in closed containers. Store away from all ignition sources. Avoid sparking conditions. Ground all transfer equipment.

### **HANDLING**

Away from heat.

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## SECTION 8 - PERSONAL PROTECTION / EXPOSURE CONTROLS

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<b>EYE PROTECTION</b>	Wear chemical safety glasses or goggles.
<b>SKIN PROTECTION</b>	Wear long sleeved clothing, gloves, and boots. Provide readily accessible safety showers.
<b>RESPIRATORY PROTECTION</b>	Use in a well ventilated area. Approved respirator in confined spaces.
<b>INGESTION PROTECTION</b>	Wash before eating, drinking or smoking. Observe the rules of hygiene.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>PHYSICAL FORM</b>	Viscous Brown Liquid
<b>ODOUR</b>	Volatile Organic Solvent
<b>pH</b>	N/A
<b>BOILING POINT</b>	No data
<b>MELTING POINT</b>	No data
<b>FLASH POINT</b>	<b>16°C</b>
<b>FLAMMABILITY</b>	Flammable
<b>VAPOUR PRESSURE</b>	No data
<b>SOLUBILITY IN WATER</b>	Insoluble
<b>DENSITY</b>	1.400kg / Litre

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## SECTION 10 - STABILITY AND REACTIVITY

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<b>CONDITIONS TO AVOID</b>	Heat, sparks, flame and build up of static electricity.
<b>INCOMPATIBLE MATERIALS</b>	Strong oxidising substances
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Carbon monoxide Oxides of nitrogen and Unidentified organic compounds

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## SECTION 11 - TOXICOLOGICAL PROPERTIES

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**ACUTE ORAL TOXICITY (LD50, RAT)**

Avoid inhalation and ingestion

**EYE AND SKIN CONTACT**

Severe eye and skin irritant. Repeated exposure may cause skin sensitisation.

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## SECTION 12 - ECOLOGICAL INFORMATION

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**AQUATIC TOXICITY – fish:**

Toxic in large quantities

**AQUATIC TOXICITY – daphnia:**

Toxic in large quantities

**AQUATIC TOXICITY – algae:**

Toxic in large quantities

**BIODEGRADABILITY:**

Not readily biodegradable

**MOBILITY:**

Not miscible with water

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL**

Use a reputable waste disposal contractor. Waste disposal measures must comply with all Local and National By-laws.

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## SECTION 14 - TRANSPORT INFORMATION

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**UN NUMBER**

1263

**IMO SHIPPING NAME**

Resin solution, Flammable, N.O.S.

**IMO CLASS AND DANGER GROUP**

Class 3, Danger Group II

**IMO SUBSIDIARY RISK(S)**

None

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## SECTION 15 - REGULATORY INFORMATION

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### RISK (R) PHRASES

R 10 - Flammable  
R 20 - Harmful by inhalation.  
R 21 / 22 - Harmful in contact with skin and if swallowed.  
R 36 / 38 - Irritating to eyes and skin.  
R 43 - May cause sensitisation by skin contact.

### SAFETY (S) PHRASES

S 2 - Keep out of reach of children.  
S 23 - Do not breathe vapour or spray.  
S 24 - Avoid contact with skin.  
S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 38 - In case of insufficient ventilation, wear suitable respiratory equipment. Use only in well ventilated areas.  
S 36 / 37 / 39 - Wear suitable protective clothing, gloves and eye/face protection.  
S 45 - In case of accident or if you feel unwell, seek medical advice immediately.  
S 61 - Avoid release to the environment. Refer to special instruction / material safety data sheet.

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## SECTION 16 - OTHER INFORMATION

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Alert workers to this hazardous potential and ensure precautions are taken. In cases of any discomfort always seek medical advice.

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All information is given in good faith but without guarantee in respect of accuracy. No responsibility is accepted for error of omission or the consequences thereof.