

## MATERIAL SAFETY DATA SHEET

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### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

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<b>PRODUCT NAME</b>	WATER SOLUBLE BRUSH CLEANER
<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>	None
<b>CHEMICAL FAMILY</b>	Hydrocarbon solvent
<b>UN NUMBER</b>	1090
<b>DATE PREPARED</b>	January 2014

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### SECTION 2 - COMPOSITION

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<b>HAZARDOUS COMPONENTS</b>	1. Toluene 2. Acetone 3. Butyl acetate 4. Xylene
<b>R - PHRASES</b>	R 11 / 20 / 22 / 38 / 52 / 53
<b>S - PHRASES</b>	S 2 / 16 / 24 / 25 / 29 / 33

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## SECTION 3 - HAZARDS IDENTIFICATION

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<b>FLAMMABILITY</b>	2 - Flammable
<b>HEALTH EFFECTS - EYES</b>	Eye irritant
<b>HEALTH EFFECTS - SKIN</b>	Skin irritant Prolonged repeated skin contact may defat the skin, resulting in possible irritation and dermatitis.
<b>HEALTH EFFECTS - INGESTION</b>	Harmful if swallowed
<b>HEALTH EFFECTS - INHALATION</b>	Respiratory tract irritant

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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. If irritation continues, seek medical attention immediately.
<b>SKIN CONTACT</b>	Rinse thoroughly with plenty of water. Remove contaminated clothing and shoes.
<b>INGESTION</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Give 1 to 2 glasses of water. Seek medical attention immediately. (Do not induce vomiting or give anything by mouth to an unconscious person.)
<b>INHALATION</b>	Move to fresh air. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical attention. 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 - Flammable
<b>EXTINGUISHING MEDIA</b>	Carbon dioxide Foam Dry chemical Water fog

## **SPECIAL FIRE FIGHTING PROCEDURES**

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

## **SPECIAL PROTECTIVE EQUIPMENT**

For fires in enclosed areas, fire fighters must use self contained breathing apparatus.

## **UNUSUAL FIRE AND EXPLOSION HAZARDS**

Flammable. Vapour accumulation could flash and/or explode if in contact with open flame.

## **REACTIVITY**

4 - Minimal

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

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### **PERSONAL PRECAUTIONS**

Wear long sleeved clothing, boots, impervious gloves and eye protection. Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the threshold limit value (TLV).

### **ENVIRONMENTAL PRECAUTIONS**

Contain or dyke the entire perimeter of the contaminated area. Ensure that the spilled material does not enter any drains or storm sewers and does not contact with soil.

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

Eliminate all ignition sources. Working from the outer circumference of the contained spill area, absorb the product with sand or fire retardant treated sawdust. Collect with spark resistant equipment 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. Outside or detached storage is preferred. Store away from all ignition sources.

## HANDLING

Avoid contact with skin and eyes. Do not ingest or inhale. When handling, do not eat, drink or smoke. Use in a well ventilated area away from ignition sources. Avoid sparking conditions. Ground and bond all transfer equipment.

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## SECTION 8 - PERSONAL PROTECTION / EXPOSURE CONTROLS

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### EYE PROTECTION

Wear safety glasses or goggles. Provide readily accessible eye wash stations.

### SKIN PROTECTION

Wear long sleeved clothing, impervious gloves, apron and boots. Provide readily accessible safety showers.

### RESPIRATORY PROTECTION

Approved respiratory equipment must be used when there is inadequate ventilation, airborne concentrations are unknown or exceed the threshold limit value (TLV).

### INGESTION PROTECTION

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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### PHYSICAL FORM

Mobile liquid

### COLOUR

Pink

### ODOUR

Aromatic

### pH

N/A

### BOILING POINT

No data

### MELTING POINT

No data

### FLASH POINT

35°C

### FLAMMABILITY

2 - Flammable

### VAPOUR PRESSURE

No data

### SPECIFIC GRAVITY

0.845

### SOLUBILITY IN WATER

Miscible

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## SECTION 10 - STABILITY AND REACTIVITY

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### CHEMICAL STABILITY

Stable

**CONDITIONS TO AVOID**

Heat  
Sparks  
Flames  
Build up of static electricity.

**INCOMPATIBLE MATERIAL**

Strong oxidising substances.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon monoxide.

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**SECTION 11 - TOXICOLOGICAL PROPERTIES**

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

> 7 g / kg

**ACUTE DERMAL TOXICITY (LD50, RABBIT)**

> 10 g / kg

**ACUTE INHALATION TOXICITY (LC50, RAT)**

No data

**EYE AND SKIN CONTACT**

Eye and skin irritant.

**CARCINOGENICITY**

Not a known carcinogen

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**SECTION 12 - ECOLOGICAL INFORMATION**

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Harmful to aquatic organisms. May cause long- term adverse effects in the aquatic environment.

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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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<b>UN NUMBER</b>	1090
<b>IMO SHIPPING NAME</b>	Acetone blend
<b>IMO CLASS AND DANGER GROUP</b>	Class 3, Danger Group II
<b>IMO SUBSIDIARY RISK(S)</b>	None

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## SECTION 15 - REGULATORY INFORMATION

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<b>RISK (R) PHRASES</b>	R 11 - Highly flammable R 20 - Harmful by inhalation. R 22 - Harmful if swallowed. R 38 - Irritating to skin. R 52 / 53 - Harmful to aquatic organisms. May cause long- term adverse effects in the aquatic environment.
<b>SAFETY (S) PHRASES</b>	S 2 - Keep out of reach of children S 16 - Keep away from sources of ignition – no smoking. S 24 - Avoid skin contact. S 25 - Avoid contact with eyes. S 29 - Do not empty into drains. S 33 - Take precautionary measures against static discharges.

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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.

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.