

## MATERIAL SAFETY DATA SHEET

---

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

---

<b>PRODUCT NAME</b>	ONE SHOT Liquid detergent
<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>	Alkali
<b>UN NUMBER</b>	1824
<b>DATE PREPARED</b>	20 June 2001

---

### SECTION 2 - COMPOSITION

---

<b>HAZARDOUS COMPONENTS</b>	1. < 15% Sodium hydroxide
<b>R - PHRASES</b>	R 35
<b>S - PHRASES</b>	S 26 / 36 / 37 / 45

---

---

## SECTION 3 - HAZARDS IDENTIFICATION

---

<b>FLAMMABILITY</b>	4 - Minimal
<b>HEALTH EFFECTS - EYES</b>	Severe eye irritant Corrosive - Irreversible damage possible
<b>HEALTH EFFECTS - SKIN</b>	Severe skin irritant Corrosive - Can cause severe burns
<b>HEALTH EFFECTS - INGESTION</b>	Harmful if swallowed Corrosive and toxic - Can cause severe damage
<b>HEALTH EFFECTS - INHALATION</b>	Respiratory irritant

---

## SECTION 4 - FIRST AID MEASURES

---

<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 water. Remove contaminated clothing and shoes. Seek medical attention immediately if necessary.
<b>INGESTION</b>	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.

---

## SECTION 5 - FIRE FIGHTING MEASURES

---

<b>FIRE RATING</b>	4 - Minimal
<b>REACTIVITY</b>	4 - Minimal

---

---

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

---

### PERSONAL PRECAUTIONS

Wear protective clothing, boots, gloves, eye and face protection.

### ENVIRONMENTAL PRECAUTIONS

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

### 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.

---

## SECTION 7 - HANDLING AND STORAGE

---

### STORAGE

Keep in cool, dry, ventilated storage and in closed containers.

### HANDLING

Avoid contact with skin and eyes. Do not ingest or inhale. When handling, do not eat, drink or smoke.

---

## SECTION 8 - PERSONAL PROTECTION / EXPOSURE CONTROLS

---

### EYE PROTECTION

Wear goggles or full face shield. Provide readily accessible eye wash stations.

### SKIN PROTECTION

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

### RESPIRATORY PROTECTION

Wear half mask fitted with the appropriate cartridge in poorly ventilated areas.

### INGESTION PROTECTION

Wash before eating, drinking or smoking. Observe the rules of hygiene.

---

---

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

---

<b>PHYSICAL FORM</b>	Mobile liquid
<b>COLOUR</b>	Amber
<b>ODOUR</b>	Pungent
<b>pH</b>	Alkaline - $\approx 12$
<b>BOILING POINT</b>	> 100 °C
<b>MELTING POINT</b>	No data
<b>FLASH POINT</b>	> 100 °C
<b>FLAMMABILITY</b>	4 - Minimal
<b>VAPOUR PRESSURE</b>	No data
<b>SPECIFIC GRAVITY</b>	$\approx 1.00$
<b>SOLUBILITY IN WATER</b>	Completely - 100%

---

## SECTION 10 - STABILITY AND REACTIVITY

---

<b>CHEMICAL STABILITY</b>	Stable
<b>CONDITIONS TO AVOID</b>	Not applicable - product is stable
<b>INCOMPATIBLE MATERIAL</b>	No data
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None

---

## SECTION 11 - TOXICOLOGICAL PROPERTIES

---

<b>ACUTE ORAL TOXICITY (LD50, RAT)</b>	No data
<b>ACUTE DERMAL TOXICITY (LD50, RABBIT)</b>	No data
<b>ACUTE INHALATION TOXICITY (LD50, RAT)</b>	No data
<b>EYE AND SKIN CONTACT</b>	Severe eye and skin irritant.
<b>CARCINOGENICITY</b>	Not a known carcinogen

---

## SECTION 12 - ECOLOGICAL INFORMATION

---

No data

---

---

## SECTION 13 - DISPOSAL CONSIDERATIONS

---

### WASTE DISPOSAL

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

---

## SECTION 14 - TRANSPORT INFORMATION

---

<b>UN NUMBER</b>	1824
<b>IMO SHIPPING NAME</b>	Sodium hydroxide solution
<b>IMO CLASS AND DANGER GROUP</b>	Class 8, Danger Group II/III
<b>IMO SUBSIDIARY RISK(S)</b>	Corrosive

---

## SECTION 15 - REGULATORY INFORMATION

---

### RISK (R) PHRASES

R 35 - Causes severe burns

### SAFETY (S) PHRASES

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 36 / 37 - Wear suitable protective clothing, gloves and eye/face protection.  
S 45 - In case of accident or if you feel unwell, seek medical advice immediately (Show label where possible).

---

## SECTION 16 - OTHER INFORMATION

---

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.