

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME</b>	CONCRETE ETCHANT Concentrated Acidic Cleaner / Etchant
<b>MSDS REVISION NUMBER</b>	1
<b>MANUFACTURER</b>	Ivory Industrials (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>	Inorganic Acid
<b>UN NUMBER</b>	1789
<b>DATE PREPARED</b>	30 May 2013

### SECTION 2 - COMPOSITION

<b>HAZARDOUS COMPONENTS</b>	1. Hydrochloric Acid
<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

**HEALTH EFFECTS - INGESTION**

Harmful if swallowed  
Corrosive and toxic - Can cause severe damage

**HEALTH EFFECTS - INHALATION**

Respiratory irritant

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**SECTION 4 - FIRST AID MEASURES**

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**EYE CONTACT**

Hold eye lids apart and immediately flush with plenty of water for at least 15 minutes. Seek medical attention immediately.

**SKIN CONTACT**

Rinse thoroughly with plenty of water. Remove contaminated clothing and shoes. Seek medical attention immediately.

**INGESTION**

Rinse mouth thoroughly with water. Do not induce vomiting. Seek medical attention immediately.

**INHALATION**

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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**FIRE RATING**

4 - Minimal

**REACTIVITY**

4 - Minimal

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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**PERSONAL PRECAUTIONS**

Wear acid resistant 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.

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

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### **STORAGE**

Keep in cool, dry, ventilated storage and in closed containers. Do not store in reactive metal containers. Store away from oxidising substances.

### **HANDLING**

Avoid contact with skin and eyes. Do not ingest or inhale. When handling, do not eat, drink or smoke. Avoid using in any spray application without strict conformance to all health and safety requirements.

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## **SECTION 8 - PERSONAL PROTECTION / EXPOSURE CONTROLS**

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### **EYE PROTECTION**

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

### **SKIN PROTECTION**

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

### **RESPIRATORY PROTECTION**

Wear half mask fitted with the appropriate cartridge.

### **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	Clear
ODOUR	Pungent
pH	Acidic - < 1
BOILING POINT	> 100 °C
MELTING POINT	No data
FLASH POINT	> 100 °C
FLAMMABILITY	4 - Minimal
VAPOUR PRESSURE	No data
SPECIFIC GRAVITY	1.19
SOLUBILITY IN WATER	Completely - 100%

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## SECTION 10 - STABILITY AND REACTIVITY

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CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	Not applicable - product is stable
INCOMPATIBLE MATERIAL	Oxidising substances Reactive metals
HAZARDOUS DECOMPOSITION PRODUCTS	None

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## SECTION 11 - TOXICOLOGICAL PROPERTIES

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

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## SECTION 12 - ECOLOGICAL INFORMATION

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No data

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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

1789

### IMO SHIPPING NAME

Hydrochloric acid solution

### IMO CLASS AND DANGER GROUP

Class 8, Danger Group II

### IMO SUBSIDIARY RISK(S)

Corrosive

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## SECTION 15 - REGULATORY INFORMATION

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### 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).

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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.