

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	ERAZE Powdered floor cleaner / degreaser
MSDS REVISION NUMBER	1
MANUFACTURER	Flowcrete SA (Pty.) Ltd. 176 Voortrekker Street Jacobs 4052
TELEPHONE NUMBER	(031) 461 3411
EMERGENCY TELEPHONE NUMBER(S)	Rob Weyers (031) 461 3411
SYNONYMS	None
CHEMICAL FAMILY	Alkali
UN NUMBER	3253
DATE PREPARED	26 July 2001

SECTION 2 - COMPOSITION

HAZARDOUS COMPONENTS	1. Disodium trioxosilicate 2. Sodium carbonate
R - PHRASES	R 35
S - PHRASES	S 26 / 36 / 37 / 45

SECTION 3 - HAZARDS IDENTIFICATION

FLAMMABILITY	Minimal
HEALTH EFFECTS - EYES	Severe eye irritant Corrosive - Irreversible damage possible
HEALTH EFFECTS - SKIN	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

SECTION 4 - FIRST AID MEASURES

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 if necessary.
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.

SECTION 5 - FIRE FIGHTING MEASURES

FIRE RATING	Minimal
SPECIAL FIRE FIGHTING PROCEDURES	Use water to keep fire exposed containers cool.
REACTIVITY	Minimal

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

ENVIRONMENTAL PRECAUTIONS

Ensure that the spilled material does not enter any drains.

SPILL CLEAN-UP PROCEDURE

Collect and place the contaminated materials in an approved disposal container. Dispose of contaminants in accordance with the Local and National By-laws. Clean up residual material by washing area with water. 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.

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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	Powder
COLOUR	White
ODOUR	Pine
pH	Solution - ≈ 12
BOILING POINT	No data
MELTING POINT	No data
FLASH POINT	> 100 °C
FLAMMABILITY	Minimal
VAPOUR PRESSURE	No data
SPECIFIC GRAVITY	2.5
SOLUBILITY IN WATER	Completely - 100%

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY	Stable under normal handling and storage conditions.
CONDITIONS TO AVOID	Extreme heat.
INCOMPATIBLE MATERIAL	Aluminium Fluorine Sulphuric acid
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon dioxide

SECTION 11 - TOXICOLOGICAL PROPERTIES

ACUTE ORAL TOXICITY (LD50, RAT)	> 4000 mg/kg
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

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

UN NUMBER

3253

IMO SHIPPING NAME

Disodium trioxosilicate, pentahydrate

IMO CLASS AND DANGER GROUP

Class 8, Danger Group III

IMO SUBSIDIARY RISK(S)

None

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.

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.