



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	IVORY 317 LV WEARKOTE ACTIVATOR Brushable wearing compound
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	Aliphatic Amines
UN NUMBER	1760
DATE PREPARED	January 2011

SECTION 2 - COMPOSITION

HAZARDOUS COMPONENTS	1. > 60 % Diethylenetriamine 2. < 10 % Phenol
R - PHRASES	R 21 / 22 / 34 / 43
S - PHRASES	S 26 / 36 / 37 / 39 / 45

SECTION 3 - HAZARDS IDENTIFICATION

FLAMMABILITY	3 - Slight
HEALTH EFFECTS - EYES	Severe eye irritant. Corrosive to eyes.
HEALTH EFFECTS - SKIN	Harmful in contact with skin. Severe skin irritant. Corrosive to skin. May cause skin sensitisation.
HEALTH EFFECTS - INGESTION	Harmful if swallowed.
HEALTH EFFECTS - INHALATION	Corrosive to respiratory system. Severe respiratory tract irritant.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT	Hold eye lids apart and flush immediately with plenty of water for at least 15 minutes. Seek medical attention immediately.
SKIN CONTACT	Rinse thoroughly with plenty of soap and water. Remove contaminated clothing and shoes. Seek medical attention if irritation persists.
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	3 – slight
EXTINGUISHING MEDIA For large fires : For small fires :	Ignition will give rise to a Class B fire. water spray or alcohol foam carbon dioxide, dry chemical, dry sand or limestone.



SPECIAL FIRE FIGHTING PROCEDURES

Fire fighters should wear a face shield, boots, gloves, body suit and a self contained breathing apparatus. Water spray may be used to cool closed containers exposed to fire.

REACTIVITY

4 – Minimal

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear long sleeved clothing, boots, gloves, and eye 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. Keep away from acids, oxidisers, heat, flames and sparks.

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

SKIN PROTECTION

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

RESPIRATORY PROTECTION

No respiratory protection is required under normal conditions in well ventilated work places. In poorly ventilated areas, wear chemical cartridge respirator to protect against organic vapours.

INGESTION PROTECTION

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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	Mobile liquid
COLOUR	Straw yellow
ODOUR	Irritating
pH	Alkaline
BOILING POINT	> 200 °C
MELTING POINT	No data
FLASH POINT	75.56 °C (Closed cup)
FLAMMABILITY	3 – Slight
VAPOUR PRESSURE (mm Hg @ 21 °C)	< 20.68 °C
VISCOSITY (CPS @ 25 °C)	6000
SPECIFIC GRAVITY	1.09
SOLUBILITY IN WATER	Slight

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY Stable

CONDITIONS TO AVOID Not applicable – product is stable.

INCOMPATIBLE MATERIALS

Mineral acids
Organic acids
Oxidising agents
Reactive metals
Sodium or calcium hypochlorite
Nitrous acid, nitrates, nitrous oxide
Heat
Peroxides

HAZARDOUS DECOMPOSITION PRODUCTS

Nitric acid
Carbon monoxide
Carbon dioxide
Ammonia
Nitrogen oxides

SECTION 11 - TOXICOLOGICAL PROPERTIES

ACUTE ORAL TOXICITY (LD50, RAT)	> 1457.0 mg / kg (estimate)
ACUTE DERMAL TOXICITY (LD50, RABBIT)	> 1090.0 mg / kg (estimate)
ACUTE INHALATION TOXICITY (LC50, RAT)	No data
EYE AND SKIN CONTACT	Corrosive to eyes and skin. Repeated exposure may cause skin sensitisation.
CARCINOGENICITY	Not a known carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

Material is expected to cause long term adverse effects in the aquatic environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

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

UN NUMBER	1760
IMO SHIPPING NAME	Corrosive liquid, N.O.S.
IMO CLASS AND DANGER GROUP	Class 8, Danger Group III
IMO SUBSIDIARY RISK(S)	None

SECTION 15 - REGULATORY INFORMATION

RISK (R) PHRASES	R 21 / 22 – Harmful in contact with skin and if swallowed. R 34 – Causes burns. R 43 – May cause sensitisation by skin contact.
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SAFETY (S) PHRASES

S 26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36 / 37 / 39 – Wear suitable 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.