

## **MATERIAL SAFETY DATA SHEET**

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION** 

**PRODUCT NAME IVORY 348 ACTIVATOR** 

**MSDS REVISION NUMBER** 

**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** Aromatic amine

**UN NUMBER** 1760

**PREPARED** January 2014

**SECTION 2 - COMPOSITION** 

**HAZARDOUS COMPONENTS** 1. 4,4'-Diaminodiphenyl methane

2. Polymeric MDA

3. Tetrahydrofurfuryl alcohol

**R-PHRASES** R 20 / 21 / 22 / 43 / 45 / 48

S - PHRASES S 45 / 53

Page 1 of 5



CECTION 2 HAZADDO IDENTIFICATION

SECTION 3 - HAZARDS IDENTIFICATION

**FLAMMABILITY** 3 - Slight

**HEALTH EFFECTS - EYES** Eye irritant.

**HEALTH EFFECTS - SKIN** Skin irritant.

May cause skin sensitisation.

**HEALTH EFFECTS - INGESTION**Harmful if swallowed.

**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 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. Never

give anything to an unconscious person.

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** Water streams

Ignition will give rise to a Class B fire.

SPECIAL FIRE FIGHTING PROCEDURES A face shield should be worn. Fire fighters must wear

boots, gloves, body suit and a self contained breathing apparatus. Water spray may be used to cool closed containers exposed to fire. Retain expended liquids from fire fighting for later disposal.

**REACTIVITY** 2 - Moderate

May generate carbon monoxide, nitrogen oxide gases

and ammonia gas.



\_\_\_\_\_

**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, surface or ground water.

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 inhouse 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, alkalis, 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 areas. Wear suitable breathing apparatus when there is inadequate

ventilation.

INGESTION PROTECTION Wash before eating, drinking or smoking. Observe

the rules of hygiene.



**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES** 

PHYSICAL FORM Mobile liquid **COLOUR** Brown

**ODOUR** Mild ammoniacal

Alkaline pН > 149°C **BOILING POINT MELTING POINT** No data

**FLASH POINT** 91 °C (Closed cup)

3 - Slight FLAMMABILITY VAPOUR PRESSURE (mm Hg @ 21 °C) < 10.33835 VISCOSITY (@ 25 °C) 1 500 cps **SPECIFIC GRAVITY** 1.13 **SOLUBILITY IN WATER** Slight

**SECTION 10 - STABILITY AND REACTIVITY** 

**CHEMICAL STABILITY** Stable

**CONDITIONS TO AVOID** Not applicable – product is stable

**INCOMPATIBLE MATERIALS** Mineral acids (H<sub>2</sub>SO<sub>4</sub>, H<sub>3</sub>PO<sub>4</sub>, etc.)

Alkalis (NaOH, KOH, etc.) Organic acids (CH<sub>3</sub>COOH, etc.)

Reducing agents (hydrides, sulfites, etc.) Oxidising agents (perchlorates, nitrates, etc.)

Reactive metals (Na, Ca, Zn, etc.)

**HAZARDOUS DECOMPOSITION PRODUCTS** In a fire, carbon monoxide, carbon dioxide, ammonia

and nitrogen oxide vapours may be generated.

**SECTION 11 - TOXICOLOGICAL PROPERTIES** 

**ACUTE ORAL TOXICITY (LD50, RAT)** 874 mg/kg

ACUTE DERMAL TOXICITY (LD50, RABBIT) > 1000 mg/kg (estimate)

**ACUTE INHALATION TOXICITY (LD50, RAT)** No data

**EYE AND SKIN CONTACT** Eye and skin irritant. Repeated exposure may cause

skin sensitisation.

**CARCINOGENICITY** Suspected cancer hazard. Contains material which

may cause cancer.



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.
		SECTION 14 - TRANSPORT INFORMATIO	
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 INFORMATI	ON		
RISK (R) PHRASES	R 20 / 21 / 48 - Harmful : danger of serious damage to health by prolonged exposure through inhalation and contact with skin and if swallowed. R 43 - May cause sensitisation by skin contact. R 45 - May cause cancer.		
SAFETY (S) PHRASES	S 45 - In case of an accident or if you feel unwell, seek medical advice immediately. S 53 - Obtain special instructions before use.		
SECTION 16 - OTHER INFORMATION			
Alert workers to this hazardous potential a always seek medical advice.	and ensure precautions are taken. In cases of any discomfort		
All information is given in good faith but vaccepted for error of omission or the consequence.	without guarantee in respect of accuracy. No responsibility is uences thereof.		

Flowcrete (SA) Pty Ltd (2003/029560/07)
176 Voortrekker Street Jacobs Durban 4052
Tel: +27 31 461 3411 Fax: +27 31 461 3475
47 Forge Road Spartan Kempton Park Johannesburg 1620
Tel: +27 11 394 1980 Fax: +27 11 394 3003
Unit 5 55 Manhattan Street Boquinar Industrial Park Matroosfontein Cape Town 7490
Tel: +27 21 385 0653 Fax: 086 583 8358
Email: southafrica@flowcrete.com

Flowcrete SA (Pty) Ltd is an RPM Company

Page 5 of 5 MSDS - Ivory 348 Activator