

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Flowcoat 304 EPOXY
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	Bisphenol A type epoxy mixture
UN NUMBER	1866
PREPARED	January 2012

SECTION 2 - COMPOSITION

HAZARDOUS COMPONENTS	1. Bisphenol A type epoxy 2. Xylene
R - PHRASES	R 21 / 22 / 36 / 38 / 52 / 53
S - PHRASES	S 1 / 2 / 26 / 28 / 36 / 37 / 39 / 45 / 61

SECTION 3 - HAZARDS IDENTIFICATION

FLAMMABILITY	2 - Moderate
HEALTH EFFECTS - EYES	Severe eye irritant.
HEALTH EFFECTS - SKIN	Severe skin irritant. May cause skin sensitisation.
HEALTH EFFECTS - INGESTION	Harmful if swallowed.
HEALTH EFFECTS - INHALATION	Severe respiratory tract 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	Immediately give plenty of water. 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	2 - Moderate
PERSONAL PROTECTIVE EQUIPMENT	Self-contained breathing apparatus and protective suit.



EXTINGUISHING MEDIA

Water spray jet
Carbon dioxide
Foam
Dry powder

SPECIAL FIRE FIGHTING PROCEDURE

Use water to keep exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapours. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

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 in-house capabilities, call a spill responder immediately.

SECTION 7 - HANDLING AND STORAGE

STORAGE

Keep in cool, dry, ventilated storage and in closed containers. Store away from all ignition sources. Avoid sparking conditions. Ground all transfer equipment.

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	Use in a well ventilated area. 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	Pigmented
ODOUR	Solvent
pH	N/A
BOILING POINT	No data
MELTING POINT	No data
FLASH POINT	26 °C
FLAMMABILITY	2 - Moderate
VAPOUR PRESSURE	No data
VISCOSITY	67 – 72 KU / FP
SPECIFIC GRAVITY	1.35 – 1.40
SOLUBILITY IN WATER	Not soluble in water

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY	Stable
CONDITIONS TO AVOID	Heat, sparks, flame and build up of static electricity.
INCOMPATIBLE MATERIALS	Strong oxidising substances Active metals
HAZARDOUS DECOMPOSITION PRODUCTS	Burning produces obnoxious and toxic fumes.

SECTION 11 - TOXICOLOGICAL PROPERTIES

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. 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.

This product is not readily biodegradable.

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	1866
IMO SHIPPING NAME	Resin solution, Flammable, N.O.S.
IMO CLASS AND DANGER GROUP	Class 3, 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 36 / 38 - Irritating to eyes and skin.
R 43 - May cause sensitisation by skin contact.
R 52 / 53 - Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

SAFETY (S) PHRASES

S 1 / 2 - Keep locked up and out of reach of children.
S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 28 - After contact with skin, wash immediately with plenty of water and soap.
S 36 / 37 / 39 - Wear suitable protective clothing, gloves and eye/face protection.
S 45 - In case of accident or if you feel unwell, seek medical advice immediately.
S 61 - Avoid release to the environment. Refer to special instruction / material safety data sheet.

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.