

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

Product: Aftek Floorseal EP Base

Chemical Family: Epoxy resin and amine curing system.

Uses: Base of water based epoxy coating.

UN No: None

Class: None

Subsidiary Risk: None.

Hazchem Code: None

Poisons Schedule: S5

Appearance: Transparent liquid.

Odour: None.

Boiling Point: Not available.

Melting Point: Not available.

Vapour Pressure: Negligible.

Flash Point: >93° C

Specific Gravity: 1.0 - 1.1

Solubility in Water: Insoluble.

Lower Explosive Limit: Not available.

Upper Explosive Limit: Not available.

Ingredients:

Bisphenol A epoxy resin

Content

>60%

CAS. No.

25068-38-6

Reactive diluent as

Alkyl C12 to C14 glycidyl ether

10 - 30%

68609-97-2

HEALTH HAZARD INFORMATION

Health Effects

Swallowed: The liquid is irritating and harmful if swallowed, which may result in nausea, pain and vomiting. Considered an unlikely route of entry in

commercial/industrial environments.

Eye: Is irritating to the eyes and is capable of causing temporary impairment of vision, eye inflammation and ulceration.

Skin: Prolonged exposure may be irritating to the skin. Capable of causing dermatitis and sensitisation in some cases. This could result in rash, itching, hives or swelling of extremities. Sensitisation may appear after repeated symptom-free exposures. Open cuts, abraded or irritated skin should not be exposed to this material. Material may accentuate any pre-existing skin conditions.

Inhaled: Not normally a hazard at normal temperatures, but hazard is increased at higher temperatures. Vapour or mist is irritating to the upper respiratory tract. Inhalation of vapour may result in nausea and headache.

First Aid

Swallowed: DO NOT induce vomiting. Give a glass of water. Contact a doctor or Poisons Information Centre.

Eye: The eye should be flushed with water for 15 minutes. Ensure irrigation under eyelids. Contact lenses should be removed by skilled personnel only. Transport to hospital or doctor without delay.

Skin: Wash contacted areas thoroughly with soap and water. Do not use solvents. Contact doctor in event of irritation.

Inhaled: Remove patient to fresh air. Lay patient down and keep warm. If breathing has ceased, ensure clear airway and apply artificial respiration. Transport to hospital or doctor without delay.

Advise to Doctors: Treat symptomatically.

Poisons Information Centres. 131126 IN AUSTRALIA

PRECAUTIONS FOR USE

Exposure Limits: None assigned for mixture. Refer to individual constituents:

Bisphenol A epoxy resin - none assigned for material. Data for residual epichlorohydrin only:

Epichlorohydrin TLV TWA: 0.1 ppm, 0.38 mg/m³ - skin.

ES TWA: 0.1 ppm, 0.4 mg/m³ - skin

Alkyl C12 to C14 glycidyl ether- no exposure limits set by NOHSC or ACGIH.

Engineering Controls: Use in well ventilated area. If risk of overexposure exists, wear SAA approved, air purifying type respirator. Correct fit is essential. Wear SAA approved dust respirator if cutting or sanding.

Personal Protection: Safety glasses or chemical goggles should be worn. Contact lenses pose a special hazard as they may absorb irritants. Barrier cream should be used and PVC gloves worn. Overalls and safety footwear should be worn. An eyewash unit should be available.

SAFE HANDLING INFORMATION

Storage: Product should be stored in a metal or plastic container away from oxidising materials. Keep containers sealed in a cool, well ventilated area.

Transportation: No restrictions.

Spills and Disposal: Isolate spill and soak up with inert material such as clay or sand. Avoid breathing vapours and contact with skin and eyes.

Prevent spillage from entering drains or watercourse. Collect and place in sealed container. Ensure adequate ventilation during clean-up process.

Dispose of in an approved waste disposal facility.

Fire/Explosion Hazard: Slight fire hazard when exposed to heat or flame.

Dangerous Decomposition Products: Carbon monoxide may be produced on burning.

Contact Point: Technical Manager, phone (03) 9701 3955 (business hours.)

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

Product: Aftek Floorseal EP Hardener

Chemical Family: Epoxy resin and amine curing system.

Uses: Hardener of water based epoxy coating.

UN No: 1760

Class: 8

Subsidiary Risk: None.

Hazchem Code: 3X

Poisons Schedule: S5

Appearance: Pigmented liquid.

Odour: Strong amine odour.

Boiling Point: >100°C.

Melting Point: Not applicable.

Vapour Pressure: 1.0 kPa at 20°C. **Flash Point:** >110° C

Specific Gravity: 1.25

Solubility in Water: Partially soluble.

Lower Explosive Limit: Not applicable.

Upper Explosive Limit: Not available.

Ingredients:	Content	CAS. No
Polyaminoamide	10 - 30%	
Inert fillers and pigments	10 - 60%	14807-96-6

HEALTH HAZARD INFORMATION

Health Effects

Swallowed: The liquid is highly irritating and may be toxic if swallowed and is capable of causing burns to mouth, throat and oesophagus, with extreme discomfort and pain. Ingestion may result in nausea, abdominal irritation, pain and vomiting. Considered an unlikely route of entry in commercial/industrial environments.

Eye: Is highly irritating to the eyes and is capable of causing pain and severe conjunctivitis. Corneal injury may develop if not promptly treated.

Skin: Prolonged exposure is highly irritating to the skin. Capable of causing dermatitis and sensitisation resulting in hives, rash, itching or swelling of extremities. Toxic effects may result from skin absorption. Sensitisation may appear after repeated symptom-free exposures. Open cuts, abraded or irritated skin should not be exposed to this material. Material may accentuate any pre-existing skin conditions. Prolonged contact may cause drying and cracking of skin.

Inhaled: Vapour or mist is irritating to the upper respiratory tract and may cause sensitisation. Hazard is increased at higher temperatures. Inhalation of vapour may aggravate pre-existing conditions such as asthma, bronchitis or emphysema. Acute effects may be chest and nasal irritation with coughing, sneezing, headache and nausea.

First Aid

Swallowed: DO NOT induce vomiting. Give a glass of water. Contact a doctor or Poisons Information Centre.

Eye: The eye should be flushed with water for 15 minutes. Ensure irrigation under eyelids. Contact lenses should be removed by skilled personnel only. Transport to hospital or doctor without delay.

Skin: Wash contacted areas thoroughly with soap and water. Do not use solvents. Contact doctor in event of irritation.

Inhaled: Remove patient to fresh air. Lay patient down and keep warm. If breathing has ceased, ensure clear airway and apply artificial respiration. Transport to hospital or doctor without delay.

Advise to Doctors: Treat symptomatically.

Poisons Information Centres. 131126 IN AUSTRALIA

PRECAUTIONS FOR USE

Exposure Limits: None assigned for mixture.

Engineering Controls: Use in well ventilated area. If risk of overexposure exists, wear SAA approved, air purifying type respirator. Correct fit is essential

Personal Protection: Safety glasses or chemical goggles should be worn. Contact lenses pose a special hazard as they may absorb irritants. Barrier cream should be used and PVC gloves worn. Overalls and safety footwear should be worn. An eyewash unit should be available.

SAFE HANDLING INFORMATION

Storage: Product should be stored in a metal or plastic container away from oxidising materials. Keep containers sealed in a cool, well ventilated area.

Transportation: Transport as Class 8 material.

Spills and Disposal: Isolate spill and soak up with inert material such as clay or sand. Avoid breathing vapours and contact with skin and eyes.

Prevent spillage from entering drains or watercourse. Collect and place in sealed container. Ensure adequate ventilation during clean-up process.

Dispose of in an approved waste disposal facility.

Fire Fighting Media: Carbon dioxide, powder, foam extinguishers or water.

Dangerous Decomposition Products: Carbon monoxide, ammonia and nitrogen oxides may be produced on burning.

Contact Point: Technical Manager, phone (03) 9701 3955 (business hours.)