



MATERIAL SAFETY DATA SHEET

ALUWEAR PROTECT PART A (TROWELABLE) STANDARD

COMPANY DETAILS

Company:	Direct Mining Solution (Pty) Ltd
Trade name:	Africa Operations Solutions
Address:	19 Foreman Street Spartan
Telephone:	(011) 392-6006
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IDENTIFICATION

Product Name:	ALUWEAR PROTECT Trowelable, (Part A)
Other Names:	Not Applicable
Manufacturer's Code:	ALW001
UN Number:	Free
Dangerous Goods Class and Subsidiary Risk:	Not Applicable Packaging GP Not Applicable
Hazchem Code:	Not Applicable
Use:	Formulated Epoxy Resin Based Wear Resistant Coating

PHYSICAL DESCRIPTION/PROPERTIES

Appearance:	Dark grey with a granular paste like consistency
Boiling/Melting Point:	Not determined
Vapour Pressure:	<1 x 10 ⁻² Pascals @ 20 °C
Specific Gravity:	2.4 @ 25 °C
Flash Point:	>95 °C (Closed Cup)
Flammable limits:	Not determined
Solubility in Water:	Insoluble

OTHER PROPERTIES

Not applicable.

INGREDIENTS

Chemical Name:	CAS Number:	Proportion:
Abrasion Resistant Material	Not Applicable	High Content
Bisphenol A Epoxy Resin	25068-38-6	Medium Content
Alkyl Glycidyl Ether	68609-97-2	Low to Medium Content
Thickener	Not Applicable	Low Content
Epichlorohydrin	106-89-8	Traces only

HEALTH HAZARD INFORMATION

HEALTH EFFECTS - ACUTE:

Swallowed:	Single dose oral toxicity is considered to be low. The oral LD50 has not been determined for this product, however, the LD50 (rat) for each component is greater than 2000 mg/kg.
Eye:	May cause mild transient (temporary) irritation to the eyes.
Skin:	Moderately irritant.
Inhaled:	Slightly irritant to susceptible individuals.

HEALTH EFFECTS - CHRONIC:

Swallowed:	See Health Effects Acute, above.
Eye:	See Health Effects Acute, above.
Skin:	Susceptible individuals may develop allergic reactions such as dermatitis or asthma-like symptoms on a single significant skin exposure or may become sensitized to the material on repeated contact.
Inhaled:	See Health Effects Acute, above.

FIRST AID:

Swallowed:	Do NOT induce vomiting. Give large amounts of water or milk to drink and seek medical advice.
Eye:	Hold eyes open and flood with running water for at least 30 minutes. Prompt medical consultation is essential.
Skin:	In the case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash the affected skin areas with soap and water. Do not use solvents. Seek medical advice if irritation persists.
Inhaled:	Remove to fresh air, give oxygen if required. Seek medical advice if effects persist.

ADVICE TO DOCTOR:

Supportive care:	Treatment based on judgement of the doctor in response to reactions of the patient. Excessive exposure may aggravate pre-existing asthma. Treat symptomatically.
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PRECAUTIONS FOR USE

EXPOSURE STANDARDS:

None established.

ENGINEERING CONTROLS:

Good general cross ventilation is adequate for most operations.

PERSONAL PROTECTION:

Respiratory Protection:

Use of an approved respirator. Selection of air purifying or positive-pressure supplied air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions use an approved positive pressure self contained breathing apparatus.

Skin Protection:

Use protective clothing impervious to this material. Selection of specific items such as face shield, gloves, boots, apron or full body suit will depend on the operation.

Eye/Face Protection:

Use approved chemical goggles. Wear a face shield which allows the use of chemical goggles, or wear a full face respirator to protect face and eyes when there is any likelihood of splashes. Eye wash should be located in the immediate work area.

FLAMMABILITY:

Not flammable under conditions of use.

SAFE HANDLING INFORMATION

Storage & Transport:

No special storage or transport requirements necessary for Part A of this product, however, when stored or transported in kit form, i.e. with the Part B hardener, refer to the relevant section of the MSDS for Wear Resist (Trowelable) Part B.

Spills and Disposal:

In the case of a spill, wear personal protective equipment as indicated above. Spilt material should be absorbed into dry inert material then placed into appropriately labeled container and disposed of in accordance with local regulations. Avoid contaminating waterways, drains, sewers or ground.

Fire/Explosion Hazard:

Extinguishing Media: Water fog/mist, alcohol foam, carbon dioxide, dry chemical powder. Hazardous combustion products include carbon dioxide, toxic carbon monoxide and oxides of nitrogen. This product as received, dust not present a dust explosion hazard. However, should cured material made from this product be machined or sanded, a dust explosion hazard may be created, therefore all dust generated should be removed as soon as possible.

OTHER INFORMATION

Note:

Prevent spillage from entering waterways or drains.