

# ELITE CHEMICAL INDUSTRIES (PTY) LTD

## MATERIAL SAFETY DATA SHEET According to 91/155 EEC

Printing date: 21.05.2021

### 1. Identification of substance:

#### Product details:

**Trade name:** Eli-Dur FR/70 Liquid/Paste Comp A: Resin

**Article number:** FR/70

#### Application of the substance / the preparation

Rubber Repair Resin

Initial product for chemical reactions

Polyurethane Resin

#### Manufacturer/Supplier:

Elite Chemical Industries (Pty) Ltd

23 Barium Street, Alrode Ext 7 South Africa

Tel: (011) 864-4620/1/2/3/4

Fax: (011) 864-3403

E-mail: elitechem@wol.co.za

Website: www.elitechemical.co.za

#### Emergency Phone No

(011) 864-4620 Business

(011) 455-6660 After Hours

083 287 2929 Mobile

### 2. Composition / Data on components:

#### Chemical characterization:

	CAS NO:	PROPORTION	RISK PHRASES
Polyether / Polyesterpolyols	-		
Hydrocarbon Modifiers	Non Hazardous	< 30 %	R20/22,36/37
Phosphate Additive	13674-84-5	<15 %	Xn R21/22/50/51/53
Butadiene Polymer	69102-90-5	< 65 %	
Auxillary Products			
Pigments / Fillers	Non Hazardous	< 5 %	S16,25,26,28,29,36,37,44

### 3. Hazards identification

- Odour: Odourless
- Appearance: Liquid/Paste, black/cream, not miscible with water
- Contact with eyes: Can cause redness and irritation
- Contact with skin: In cases of severe exposure, irritation may develop
- Inhalation: Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Ingestion: Not regarded as a potential route of exposure. Harmful if swallowed (R22)

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**4. First aid measures**

**General information:** Immediately remove any clothing soiled by the product.

**After inhalation:** Seek medical treatment in case of complaints. Remove patient to fresh air.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

**After swallowing:** In case of persistent symptoms consult doctor.

**5. Fire fighting measures**

**Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

**Special hazards caused by the material, its products of combustion or flue gases:**

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

**Protective equipment:** No special measures required.

**6. Accidental release measures**

**Person-related safety precautions:** Not required

**Measures for environmental protection:**

Do not allow product to reach sewage system or water bodies.

Inform respective authorities in case product reaches water or sewage system.

**Measures for cleaning / collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

**7. Handling and storage**

**Handling**

**Information for safe handling:** No special measures required.

**Information about protection against explosions and fires:** No special measures required.

**Storage**

**Requirements to be met by storerooms and containers:** No special requirements

**Information about storage in one common storage facility:** No requirements.

**Further information about storage conditions:** Keep container tightly sealed.

**8. Exposure controls and personal protection**

**Additional information about design of technical systems:** No further data; see item 7

**Components with critical values that require monitoring at the workplace:** Not required.

**Personal protective equipment**

**General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

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**8. Exposure controls and personal protection (Continue/...)**

Avoid contact with skin.

Avoid contact with the eyes and skin

**Breathing equipment:** Not required

**Protection of hands:** Protective gloves

**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Safety glasses

**9. Physical and chemical properties:**

General information	
Form:	Liquid / Paste
Colour:	Black / other colours
Smell:	Nearly odourless
Change in condition	
Boiling point/Boiling range:	>250°C
<b>Flash point:</b>	>200°C
<b>Danger of explosion:</b>	Product is not explosive
<b>Steam pressure at 20°C:</b>	0.1 hPa
<b>Density at 20°C:</b>	0.9 – 1.0 g/cm <sup>3</sup>
<b>Solubility in / Miscibility with water:</b>	Not miscible
Viscosity:	
Dynamic at 25°C:	2 000 – 2 500 mPas – Paste

**10. Stability and reactivity**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Dangerous reactions:** No dangerous reactions known.

**Dangerous products of decomposition:** No dangerous decomposition products known

**11. Toxicological information**

**Acute toxicity:**

- LD50 (oral rat) >5000 mg/kg
- In cases of severe exposure, irritation may develop
- The ingestion of significant quantities may cause gastro-intestinal disturbances.

**Primary irritant effects:**

**On the skin:** Irritant for skin and mucous membranes.

**On the eye:** Irritant effect.

**Sensitization:** Sensitization possible by skin contact.

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**12. Ecological information**

**Ecotoxicity:** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)

**Mobility:** Not soluble in water

**Persistence and Biodegradability:** Not readily biodegradable

**Bioaccumulation potential:** No information available

**Other adverse effects:** No environmental problems are expected when the product is used/handled correctly. In its intended use, the product will not be released into the environment.

**13. Disposal considerations**

- Do not discharge into drains or the environment, dispose to an authorised waste collection point.
- Disposal should be in accordance with local, state or national legislation.

**14. Transport information**

- Not classified as hazardous for transport

**15. Regulatory information**



**Risk Phrases:**

- Harmful if swallowed (R22)

**Safety Phrases:**

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

**16. Other information**

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC). The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents.

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties.

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications – usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.