

ELITE CHEMICAL INDUSTRIES (PTY) LTD

MATERIAL SAFETY DATA SHEET

SECTION 1

MANUFACTURERS NAME ELITE CHEMICAL INDUSTRIES (PTY) LTD
STREET ADDRESS 23 BARIUM STREET, ALRODE EXT 7 ALBERTON
EMERGENCY TELEPHONE NUMBER + 27 (11) 864 4620 FAX : + 27 (11) 864 3403
E-MAIL ADDRESS elitechem@wol.co.za
WEBSITE ADDRESS <http://www.elitechemical.co.za>
PRODUCT CLASS POLYURETHANE RESIN (RE-ENTRYABLE)
TRADE NAME : THERMOFIGHT FR 707/F RESIN

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENTS	PERCENT
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Polyether / Polyester Polyols	75 – 80%
Amine Catalysts	0.5 – 1%
Chlorinated Paraffin	20 – 15%
Modifiers	4.5 – 4%

SECTION 3 - PHYSICAL DATA

Liquid Polyurethane Resin For detailed information refer to product
Medium viscosity specification

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : > 205°C IGNITION POINT : ± 250°C
EXTINGUISHING MEDIA : Water, Sand, Carbondioxide Foam / Powder
UNUSUAL FIRE AND EXPLOSION HAZARDS : N/A
SPECIAL FIRE FIGHTING PROCEDURES : Use standard fire fighting equipment, use self contained breathing apparatus.

SECTION 5 - EMERGENCY & FIRST AID PROCEDURES

If overcome by vapours, remove to fresh air. If not breathing, give artificial respiration. Wash skin with soap and water. Flush eyes with large amounts of water for at least 15 minutes. If ingested, do not induce vomiting, contact a doctor immediately.

This information is given without a warranty or representation. We do not assume any legal responsibility for same, not do we give permission, inducement, or recom/mendation to practice any patented invention without a licence. It is offered solely for your consideration, investigation and verification. Before using any product, read its label.

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PRODUCT CLASS POLYURETHANE HARDENER

TRADE NAME : THERMOFIGHT FR 707/F HARDENER

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENTS	PERCENT
Aromatic Di-isocyanate (MDI)	26 – 30%
Chlorinated Paraffin	70 – 65%
Liquid Modifiers	4 – 5%

SECTION 3 - PHYSICAL DATA

Liquid Polyurethane Hardener, For detailed information refer to product specification
Low viscosity, low vapour pressure
Colour : Brown

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : $\pm 200^{\circ}\text{C}$ IGNITION POINT : $> 250^{\circ}\text{C}$

EXTINGUISHING MEDIA : Dry Chemical Powder, Carbondioxide, Foam
If water is used it should be in large quantities.
Care must be taken as the reaction between water and hot Isocyanate may be vigorous.

UNUSUAL FIRE AND EXPLOSION HAZARDS : N/A

SPECIAL FIRE FIGHTING PROCEDURES : Fire fighters must wear full-faced positive pressure self contained breathing apparatus and full protective clothing.

SECTION 5 - EMERGENCY & FIRST AID PROCEDURES

In all cases of personal exposure to hazardous concentrations of Di-isocyanates (MDI), medication must be obtained immediately. If overcome by vapours, remove to fresh air. If not breathing, give artificial respiration. Wash skin with soap and water. Flush eyes with large amounts of water for at least 15 minutes. If resin/hardener is ingested, do not induce vomiting, contact a doctor immediately.

SECTION 5 - EMERGENCY & FIRST AID PROCEDURES

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SECTION 6 - HEALTH HAZARD DATA

Eli-Cast FR 707/F Hardener will cause skin irritation on direct and repetitive contact with the skin. Protect eyes and avoid breathing in fumes. Vapour can cause burns to the eyes and mucous membranes

SECTION 7 - REACTIVITY DATA

MATERIALS TO AVOID Contamination with Water, Chemicals, Acids, Alkaline

HAZARDOUS DECOMPOSITION PRODUCTS : Carbonoxides, Nitrogen Oxide, Hydrogen Cyanide

CONDITIONS TO AVOID : Keep away from any source of heat, moisture.
Store under dry and cool conditions in tightly closed containers.

SECTION 8 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILLAGE/LEAKAGE : Cover spillage with dry sand/sawdust, cotton waste, Collect in open top containers.

WASTE DISPOSAL PROCEDURES : a) Large quantities by incineration
b) Small quantities by reaction with polyol, or flush with 90% water, and 8 % ammonia, 2 % liquid detergent

We make no guarantee or warranty of any kind that the use or disposal of this product is in compliance with all federal, state or local laws. It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

SECTION 9 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION : Fire fighters should wear self contained breathing apparatus

VENTILATION : Ensure good ventilation PROTECTIVE GLOVES : Use gloves

EYE PROTECTION: Use goggles OTHER PROTECTIVE EQUIPMENT : N/A

SECTION 10 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORING:

OTHER PRECAUTIONS : N/A

NAME : JAW FRIEDRICH

TITLE : MANAGING DIRECTOR

SIGNATURE :

DATE : September 1999

SECTION 10 - SPECIAL PRECAUTIONS

Information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under our direct supervision, no representation is made that the information is accurate, reliable, complete or representative and the Buyer may rely thereon only at the Buyer's risk. We make no guarantee that the health and safety precautions we have suggested will be adequate for all individuals and/or situations involving its handling and use.