

Material Safety Data Sheet

(To C.O.S.H.H.E requirements)

1) Identification of Substance and Company

Product Name : FR703 Adhesion Promoter
Company : Eli-Chem Resins U.K Limited
: United Kingdom
: www.elichem.co.uk

Chemical Name : Polyisocyanate based on
diphenylmethane diisocyanate

2) Composition

4,4 diphenylmethane - diisocyanate, isomers and mixtures of these
CAS No's of ingredients : 26447-40-5 (101-68-8 / 5873-54-1 / 2536-05-2) and
26471-62-5 (584-84-9 / 91-08-7
Index No. 615-005-00-99
Weight % approx. 35
Hazard Symbol: Xn
Threshold concentration for hazard symbol Xn = from 1%
Aromatic Solvents

3) Identification of Hazardous Components

Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation.

4) First Aid Measures

In case of contact with eyes, rinse thoroughly with water and seek medical advice. In case of skin contact, wash off with plenty of warm, soapy water. In case of irritation to mucus membranes or respiratory tract, carry victim to fresh, well ventilated air and seek medical attention.

5) Fire Fighting Measures

Very low risk of spontaneous combustion, however does still carry potential for ignition. Vapour build-up in hot, poorly ventilated may cause a fire hazard. In case of fire, formation of carbon monoxide, nitrogen oxide, isocyanate vapour and traces of hydrogen cyanide is possible. Aromatic Hydrocarbons are also released during combustion.

6) Accidental Release Measures

Do not empty into drains. Cover spillage with sawdust, sand or any other chemical binder based on calcium silicate hydrate. After approx. 1 hour, transfer to waste container and do not seal (evolution of CO₂ !). Keep damp in a safe, well ventilated area for several days before storage on approved landfill or special refuse site, or by incineration.

7) Handling & Storage

Keep containers tightly sealed and dry. Avoid temperatures above 60°C and below 10°C. Ensure adequate ventilation in the working area, avoid skin and eye contact.

8) Exposure Controls

Wear suitable protective clothing, gloves and goggles. Respiratory equipment is advisable if working in cramped, poorly ventilated areas. In case of those who suffer with chronic bronchitis or asthma, it is inadvisable to work with the product. Keep away from foodstuffs, drinks and tobacco. Keep working clothes separate. Take all contaminated clothing off immediately.

9) Chemical Properties

Form	: liquid
Colour	: dark-brown
Odour	: slightly musty
Boiling Point	: approx. 368°C
Density	: approx 1,1 g/cm ³
Vapour Pressure	: < 0,00001 mbar at 20°C
Viscosity	: approx. 5400 mPa.s at 25°C
Solubility in water	: insoluble
Flashpoint	: 100°C

10) Stability

No hazardous decomposition products when stored and handled properly. Exothermic reaction with amines and alcohols. Reacts with water to form CO₂. Do not expose to open flame.

11) Toxicological Information

Acute toxicity.

12) Ecological Information

Do not allow to escape into waters, wastewater or soil.

13) Disposal Considerations

May be incinerated in a suitable facility provided local regulations are observed

14) Transport Information

Not dangerous cargo, no declarations for sea, air or land shipment. Keep separated from foodstuffs.

15) Regulatory Information

Labelling for C.H.I.P : Harmful.

Harmful by inhalation, irritating to eyes, mucus membranes, and respiratory system. In case of accident, show label where possible.

16) Other Information

In all areas where the product is used, adequate ventilation must be provided.

NOTE : All information contained here is based on current knowledge and experience and is believed to be accurate. It is given without acceptance of liability for loss or damage attributable to reliance upon this information, as conditions of use lie outside our control. The purpose of this Material Safety Data Sheet is to describe the product in terms of its safety requirements. The data does not signify any warranty with regard to the product's properties. No statements shall be understood as to recommending the use of any product in conflict of any patent.