

HEALTH & SAFETY DATA SHEET

1. Identification of the Substance and Company.

Trade Name: Multiflex **Product Group 4A** Epoxy Resin Products (part A).

Company : Total Pool Chemicals Ltd, Unit 5, Pool Bank Park, High Street, Tarvin, Chester, CH3 8JH

Phone No. : 01829 740290

Emergency Phone No. : 01829 740290

2. Composition/information on ingredients.

Chemical Characterisation :

Ingredients	CAS No.	Hazard Symbols	R-Phrases	Concentration
Bisphenol (Reaction Product) A-(epichlorhydrin) Epoxy Resin (number ave. Mol. Wt. < 700)	25068-38-6	,Xi	-R36/38-R43-	50-75%
C12-C14 aliphatic glycidyl ether	68609-97-2	,Xi	-R36/38-R43-	5-15%

3. Hazards Identification.

Irritating to eyes and skin.
May cause sensitisation by skin contact.

4. First Aid Measures.

Eye Contact : Immediately flush eyes with running water for a least 15 minutes without interruption.
Then visit a doctor.

Skin Contact : Remove contaminated clothing immediately. Rinse affected skin with copious of water,
Using a mild cleansing agent. If irritation persists then seek medical attention.

Inhalation : Remove person to fresh air. Seek medical attention.

Ingestion : **DO NOT** induce vomiting. Drink in small sips (diluting effect). Seek medical attention.

5. Fire Fighting Measures.

Special Hazards : Harmful gases and vapours (as well as Carbon Dioxide and Carbon Monoxide) may be
Formed.

Protective Equipment : Wear self contained breathing apparatus.

Extinguishing Agents : Water, dry powder (BC powder) foam, Carbon Dioxide.

Extinguishing Agents Prohibited : Water jet.

6. Accidental Release Measures.

Personal Protection : Avoid skin contact. Provide for sufficient room ventilation.

Environmental Precautions : Prevent from entering the **sewer system, surface water or soil.**

Methods For Cleaning : Larger amounts: Dike spilled product with a liquid absorbing material and pump off.
Smaller amounts: Soak up with liquid absorbing material and dispose of as instructed.
(see section 13)

7. Handling and Storage.

Safe Handling Advice : Use only in well ventilated areas.
Keep container tightly closed.

8. Exposure Controls / Personal Protection.

Respiratory Protection : Not normally required. Combination filter A/P2 when spraying.

Eye Protection : Safety goggles.

Hand Protection : Pvc Gloves (gauntlet)

Skin Protection : Plastic or rubber apron. Suitable arm protection if body contact is possible.

Hygienic Measures : Apply skin protection cream before handling. Immediately take off all contaminated Clothing.

9. Physical and Chemical Properties.

Physical State : Liquid, paste or grout.

Colour : Colourless or coloured.

Odour : Weak odour.

Safety Relevant Data. NB. Data applicable to resin.

Boiling Temperature : > 200°C at : 1013 hPa

Thermal Decomposition : > 200°C

Flash Point : ca 130°C. Method: DIN S1758

Vapour Pressure : <0.1 hPa, at 20°C

Density : 1.13 g/cm³, at 20°C Method : DIN51757.

Solubility : Insoluble in / with water, at 20°C

Viscosity : 800 – 11000 mPa * s, at 25°C

10 Stability and Reactivity.

Materials To Avoid : May react under considerable heat build up with amines and mercaptanes. Also avoid acids

11. Toxicological Information.

Acute toxicity (lethal doses):

DD50 oral, rat
Dose :10ml/kg

General information about Acute or other Toxicities: Skin / eye irritation

In animal testing low molecular weight epoxy resins and Glycidil ethers have been shown to cause irritation.

Sensitisation.

In animal testing low molecular weight epoxy resins and Glycidil ethers have been shown to cause sensitisation.

Experience with Human Beings: Low molecular weight epoxy resins have been shown to cause irritation on Skin and eyes. Skin Sensitisation was also observed.

12 Ecological Information.

No results from ecotoxicological test are available.

13. Disposal Considerations.

Packaging : Can be used again after cleaning. Dispose of washing solution in same way as product.

Product : Burn in compliance with operative regulations in a hazardous waste incinerator.

14. Transport Information.

Not a dangerous good within the meaning of national and international transport regulations.

15. Regulatory Information.

Classification according to EEC Directives.

Classification : Labelling according to EC – Directive 88/379/EEC, and amendments and adaptations.

Hazard Labels : (Xi) irritant

R-Phrases : (R36/38)Irritating to eyes and skin. (R43) May cause sensitisation by skin contact.

S-Phrases : (S26) In case of contact with eyes, wash immediately with plenty of soap and water
And seek medical advice.

(S28) In case of contact with skin, wash immediately with plenty of soap and water
(S37/39) Wear suitable gloves and eye/face protection.

Hazardous ingredients: Reaction Product: bisphenol A- (epichlorhydrin); Epoxy resin (number average
Molecular weight ≤ 700)
C12-C14 aliphatic glycidil ether

OTHER INFORMATION

The specifications are based on the current state of our knowledge and experience.
The Health & safety Data Sheet describes the products from a safety requirements aspect.
The information shall not be regarded as legally binding assurance of certain properties or suitability for a particular application.