

## HEALTH & SAFETY DATA SHEET

### **1 Identification of the Substance and Company**

**Product/Trade Name:** Multifex **Product Group 4B**. Epoxy Based Products (Part B)

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

**Telephone:** 01829 740290

### **2 Composition/Information on ingredients**

**Chemical Characterisation:**

<b>Ingredients</b>	<b>CAS No</b>	<b>Hazard Symbols</b>	<b>R-Phases</b>	<b>Concentration</b>
Benzyl Alcohol	100-51-6		R20/22	<50%
Isophoronediamine	2855-13-2		R34/21/22/43	<50%

### **3 Hazards Identification**

Caution: Contains Polymeric Polyamine and Benzyl Alcohol.

### **4 First Aid Measures**

**Eye Contact:** Rinse immediately with plenty of water, continuing for 15 minutes and seek medical attention.

**Skin Contact:** Wash immediately with plenty of water and soap. Remove contaminated clothing. In case of persistent irritation or if rash develops seek medical attention.

**Inhalation:** Remove affected person to fresh air and allow to rest. In case of breathing difficulty or distress seek medical attention.

**Ingestion:** Immediately rinse mouth with water and seek medical attention. If this is not immediately available drink one or two pints of water.

## **5 Fire Fighting Measures**

**Special Hazards:** Cool containers in the vicinity of the blaze with waterspray. May generate toxic, irritating or flammable products. Sudden reaction and fire may result if mixed with an oxidising agent.

**Protective Equipment:** Wear Self contained breathing apparatus, butyl boots and a body suit.

**Extinguishing Agents:** Use foam, dry chemical, CO2 or waterspray. Retain liquids used for later disposal. **Class B Fire.**

## **6 Accidental Release Measures**

**Personal Protection:** Use PPE described above.

**Environmental Precautions:** Wash the area clean with water and detergents.

**Methods for Cleaning:** Absorb with earth, sand or other absorbent material, sweep up and shovel into containers for disposal.

**Additional Information:** Extinguish naked lights in the vicinity.

## **7 Handling and Storage**

**Safe Handling Advice:** Wear goggles or a face shield, impervious gloves and protective clothing. Use in a well ventilated area.

**Storage:** Store in a cool well ventilated place away from foodstuffs and epoxy resins.

## **8 Exposure Controls/Personal Protection**

**Respiratory Protection:** In poorly ventilated areas use a cartridge mask approved for organic vapours

**Eye Protection:** Goggles/face shield

**Hand Protection:** Impervious gloves

**Skin Protection:** Slicker suit. Rubber boots.

## 9 Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Colour:</b>	Clear to yellow
<b>Odour:</b>	Irritating

### Relevant Safety Data

Boiling Temperature:	224°C
Melting Point:	<18°C
Flash Point:	166°C (closed cup)
Relative Density:	1.00 @ 25°C
Solubility:	Low in water. Miscible with hydrocarbon solvents.
Viscosity:	100 (cps) @ 25°C

## 10 **Stability and Reactivity**

<b>Materials to Avoid:</b>	Oxidising agents (ie perchlorates, nitrates etc) Cleaning solutions such as chromerge and aqua regia
<b>Hazardous Decomposition Products:</b>	CO in a fire, CO <sub>2</sub> in a fire, Ammonia when heated, Nitrogen oxides in a fire. Nitrogen Oxide can react with water vapours to form corrosive nitric acid. Combustion of product under oxygen starved conditions can be expected to produce numerous toxic products ie nitrides/amides.

## 11 **Toxicological Information**

### **General Information about**

**Acute or other Toxicity's:** Oral LD50 (rat) :1373 mg/kg  
Dermal D50 (rabbit): > 2000 mg/kg

## 12 **Ecological Information**

No results from ecotoxicological test are available.

## 13 **Disposal Considerations**

Dispose of in accordance with local and national regulations. For example in the UK regulations made under the Control of Pollution Act 1974 and the Environmental Protection Act 1990. Wear protective clothing during disposal operations. If disposal is by a waste contractor, make sure that he has sufficient information and that waste containers are properly labelled.

## 14 Transport Information

**UN No:** 2735

**ADR/RID Shipping Data:** Isophoronediamine Mixture 8.53 (c)

**IMO Shipping Data:** Alkylamines, liquid, NOS (isophoronediamine) ;  
8; UN2735; IMDG Pg; 8103, pa.iii.

**ICAO/IATA Shipping Data:** As 'IMO'

## 15 Regulatory Information

Classification according to EEC Directives.

**Classification:** Corrosive, causes burns.

**Hazard Labels:**     **R-Phrases:** R34/20/21/22/43  
                          **S-Phrases:** S26/36/37/39

## OTHER INFORMATION

The specifications are based on the current state of our knowledge and experience. The Health and 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.