

# MATERIAL SAFETY DATA SHEET

## Introductory Details

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Date of preparation : 20 June 2002

Date revised : 9 January 2008

## SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Details

Product Name : Tensiofix D40 Bio-Act  
Trade Name : Polypol Ace  
Chemical Name : Surfactant  
Chemical Formula : -  
Molar Mass : -  
Chemical Family : -  
Manufacturer's Code : -  
Use : Adjuvant

### 1.2 Company Identification

**Manufacturer** : Available upon request

#### **Importer / Distributor**

Name and Address : Agricultural Chemicals (M) Sdn Bhd  
962, Lorong Perusahaan 8, Taman Perindustrian Perai,  
13600 Perai, Penang, Malaysia  
Telephone Number : 604-390 7988  
Emergency Telephone Number : 604-390 7988

### 1.3 Contact Point

Designation : Ms. Cheong Wai Ching, Product Support Manager/  
En. Ahmad Labib bin Yusof @ Salleh, Administrative Assistant

Tel. No. : 604-390 7988

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## SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportion	Exposure Limit	Toxicity Data
Nonionic surfactants	-	approx. 78%	No data available	Refer Section 11
Solvents	-	approx. 22%		
Water	7732-18-5	max. 0.5%		

## SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear yellow-brown liquid
Odour	: -
Solubility	: Soluble in water, aromatic hydrocarbons, alcohols, ketones.
Boiling Point	: No data available
Melting Point (°C)	: -9 to 0°C
Vapour Pressure (mm of Hg at 25°C)	: No data available
Percentage Volatiles	: No data available
Evaporation Rate	: No data available
Vapour Density	: No data available
Specific Gravity	: approx. 1.00
Flash Point	: > 60°C
Autoignition temperature	: No data available
Flammable limit (%)	: No data available
Viscosity	: about 60 mPa.s at 20°C
pH Value	: 10-10.5

## SECTION 4 : HAZARD IDENTIFICATION

Harmful by inhalation and if swallowed  
Irritating to eyes, respiratory system and skin  
Toxic to aquatic organisms

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## **SECTION 5 : FIRST AID MEASURES**

Ingestion : Drink 2-3 glasses of water. Contact a doctor.  
Eye contact : Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.  
Skin contact : Wash with soap and water.  
Inhalation : Remove to fresh air. If breathing difficulty occurs, get medical attention.  
Notes to physician : -

## **SECTION 6 : FIRE FIGHTING MEASURES**

Extinguishing Media : CO<sub>2</sub>, foam, dry powder or water spray.  
Fire fighting instruction : Fire fighter shall wear full self-contained breathing apparatus.  
Special hazards : Not combustible.

## **SECTION 7 : ACCIDENTAL RELEASE MEASURE**

Leak and/or Spill:

Wear protective clothing as indicated in Section 8. Evacuate non essential personnel. Adsorb the spillage with inert material such as clay, sand, white carbon etc. Collect the adsorbed material into a clean container for disposal as scheduled waste. Wash the contaminated area with a little water and detergent. Adsorb adsorb with inert material and collect into the same container. Wash the area and drain the water to Wastewater Treatment Plant.

## **SECTION 8 : HANDLING AND STORAGE**

Handling : Wear chemical protection gloves, goggles or face shield and clothing while handling.  
Storage : No special required when stored in original containers.

## **SECTION 9 : EXPOSURE CONTROL AND PERSONAL PROTECTION**

Exposure Limit : No data available  
Engineering measures : -  
Personal protection : Wear chemical protection gloves, goggles or face shield and clothing.

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## **SECTION 10 : STABILITY AND REACTIVITY**

Conditions to avoid : Excessive heat  
Incompatibles : Strong acid or strong base  
Decomposition Products : No data available  
Hazardous polymerization : No data available

## **SECTION 11 : TOXICOLOGICAL INFORMATION**

Toxicity Data : Oral LD<sub>50</sub> (Rat) : 450 mg/kg.  
Inhalation LC<sub>50</sub> (1 hr) : 2.92 mg/l  
Eye contact will cause irritation.  
Long contact with the product can cause irritation of skin and mucosa.  
Carcinogenicity : No data available  
Reproductive Effect : No data available  
Effects of overexposure : No data available.  
Chronic effects : No data available  
Target organs : No data available

Medical Conditions Generally Aggravated by exposure : No data available

## **SECTION 12 : ECOLOGICAL INFORMATION**

Mobility & Bioaccumulation : No data available  
Biodegradability : Biodegradable  
Aquatic Toxicity : Tensiofix D40 Bio-Act is toxic to fish.

## **SECTION 13 : DISPOSAL INFORMATION**

Incinerate in accordance with local, state and national environment laws. However as regulatory may change by location, the regulatory agencies should be contacted prior to disposal.

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## **SECTION 14 : TRANSPORT INFORMATION**

RID : 6 IATA : UN 2810  
ADR : 6.1, 25C IMCO : 6.1

Brussels nomenclature number : 34.02  
Packaging : 200 kg net steel drums

## **SECTION 15 : REGULATORY INFORMATION**

CPL Regulations : Class - Harmful  
Risk Phrase R20/22 Harmful by inhalation and if swallowed  
R36/37/38 Irritating to eyes, respiratory system and skin  
R51 Toxic to aquatic organisms  
Safety Phrase S24/25 Avoid contact with skin and eyes  
S29 Do not empty into drains  
S36 Wear suitable protective clothing  
S39 Wear eye/face protection

Hazard and Symbol : Toxic (6.1) dangerous for the environment (N)

Exempt from tolerance under EPA regulation 40CFR, 180.1001 (d)

## **SECTION 16 : OTHER INFORMATION**

Reference : MSDS Tensiofix D40 Bio-Act  
S. A. Omnicem N. V.

Date : 4/1998

The valid instructions condition concerning industrial hygiene must be observed.

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.