

MATERIAL SAFETY DATA SHEET

Introductory Details

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Date of preparation : 10 April 2004

Date revised 12 June 2008

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Details

Product Name : POLYPOL
Trade Name : POLYPOL
Chemical Name : Nonylphenol polyglycol ether
Chemical Formula : $C_9H_{19}C_6H_4O(CH_2CH_2O)_xH$
Molar Mass : -
Chemical Family : Surfactant
Manufacturer's Code : -
Use : Nonionic wetting and spreading agent

1.2 Company Identification

Manufacturer

Name and Address : Agricultural Chemicals (M) Sdn. Bhd.
962, Lorong Perusahaan 8, Taman Perindustrian Perai,
13600 Perai, Pulau Pinang, Malaysia.
Telephone Number : 04-390 7988
Emergency Telephone Number : 04-390 7988

1.3 Contact Point

Designation : Ms Cheong Wai Ching, Product Support Manager /
En. Ahmad Labib bin Yusof, Administrative Assistant
Tel. No. : 04-390 7988

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportion	Exposure Limit	Toxicity Data
Nonylphenol polyglycol ether	-	10 %	-	-
Surfactant	-	< 10 %	TLV/TWA 260 mg/m ³	Refer Section 11
Solvent	-	Balance	-	-

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SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Brown liquid
Odour	: Characteristic odour
Solubility	: Miscible with water
Boiling Point	: No data available
Melting Point (°C)	: Not applicable
Vapour Pressure (mm of Hg at 25°C)	: No data available
Percentage Volatiles	: 84%
Evaporation Rate	: No data available
Vapour Density	: No data available
Specific Gravity	: 1.0
Flash Point	: 60°C
Autoignition Temperature	: No data available
Flammable Limit (%)	: No data available

SECTION 4 : HAZARD IDENTIFICATION

Harmful by inhalation, in contact with skin and if swallowed.

SECTION 5 : FIRST AID MEASURES

Ingestion	: Seek medical advice immediately.
Eye contact	: Immediately flush with running water for at least 30 minutes. Seek medical advice.
Skin contact	: Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists.
Inhalation	: Remove patient to fresh air. Seek medical attention.
Notes to physician	: Medical treatment is symptomatic.

SECTION 6 : FIRE FIGHTING MEASURES

Extinguishing Media	: Foam, Carbon dioxide, dry powder.
Fire fighting instruction	: Fire fighters should wear full faced self contained breathing apparatus.
Special hazards	: No data available.

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SECTION 7 : ACCIDENTAL RELEASE MEASURE

Leak and/or Spill :

Wear protective clothing as indicated in Section 8. Evacuate non essential personnel. Keep all sources of ignition away from the spillage. Contain and adsorb the spillage with inert material such as clay or earth. Collect into waste container. Wash the contaminated area with a little water and detergent. Contain and adsorb with inert material and collect into the same container for disposal. Prevent the spillage from entering local drainage system.

SECTION 8 : HANDLING AND STORAGE

Handling : Handle with care. Wear suitable protective clothing such as uniform, rubber gloves, safety shoes etc. Read the label before use.

Storage : Store in original container, tightly closed, away from feeds and foodstuffs. Keep out of reach of children.

SECTION 9 : EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure limit : Refer Section 2

Engineering measures : Local exhaust ventilation

Personal protection : Chemical resistant gloves, uniform or coverall, safety shoes or boots.

SECTION 10 : STABILITY AND REACTIVITY

Conditions to avoid : Direct sunlight, heat and extreme temperature

Incompatible : None encountered

Decomposition products : Methanol may produced carbon monoxide, carbon dioxide, formaldehyde

Hazardous polymerization : None

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SECTION 11 : TOXICOLOGICAL INFORMATION

(Based on Methanol)

Toxicity data :

Oral LD ₅₀	:	(Rat)	5,628 mg/Kg
Oral LD ₁₀	:	(Human)	143 mg/Kg
Inhalation LC ₅₀	:	(Rat)	64,000 ppm (v/4hr)

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 : No data available
Aquatic toxicity : No data available

SECTION 13 : DISPOSAL INFORMATION

Disposal method in accordance with all applicable national environment laws and regulations.

SECTION 14 : TRANSPORT INFORMATION

Follow all local regulations on transportation.

SECTION 15 : REGULATORY INFORMATION

CPL Regulations : Class - Harmful

Risk Phrase : R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36/38 Irritating to eyes and skin

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Safety Phrase : S2 Keep out of reach of children
S23 Do not breathe vapour
S24/25 Avoid contact with skin and eyes
S46 If swallowed, seek medical advice immediately (show the container or label)

SECTION 16 : OTHER INFORMATION

Reference : Guidelines for The Classification of Hazardous Chemicals
DOSH 1997

Guidelines for The Formulation of A Chemical Safety Data Sheet
DOSH 1997

Guidelines for Labelling of Hazardous Chemicals
DOSH 1997

MSDS - Methanol
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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.