

SAFETY DATA SHEET

DUWETT®

Date of Issue: 01 September 2008

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Siloxane polyalkyleneoxide copolymer

Recommended use: Surfactant

Supplier: Elliott Technologies Limited
45 Kitchener Road
Pukekohe
Phone 0800 100 325

Emergency telephone number: 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: Harmful – 6.1E, 6.3B
Toxic – 6.4A, 6.5B, 6.8A, 6.9A
9.1D

Required identification Details: HARMFUL – KEEP OUT OF REACH OF CHILDREN

TOXIC – may cause sensitization from prolonged skin contact. Repeated oral exposure at high doses may cause reproductive/development damage and damage to the thyroid, liver, kidneys and blood forming system.

HARMFUL – may cause eye irritation and be harmful if swallowed, inhaled or swallowed.

Harmful to aquatic organisms. Avoid contamination of any water supply with product or empty container.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Siloxane polyalkyleneoxide copolymer	Trade secret	>35.0%
Alcohol Ethoxylate	Trade secret	<35.0%
Polyalkylene oxide	Trade secret	<30.0%

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and symptoms

First-aid measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Skin contact:

In case of contact, remove contaminated clothing and shoes, immediately flush skin with plenty of water. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

Notes to a physician:

No specific antedote. Treat symptomatically. Any material aspirated during vomiting may cause lung injury.

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:

2W

Extinguishing media :

Foam, dry chemical (CO₂)water.

Hazardous thermal (de)composition products:

Oxides of carbon
Oxides of silicon
Carbon monoxide

Protection of fire-fighters:

Wear full protective clothing and self contained breathing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear protective clothing as prescribed in section 8.

Environmental precautions:

Contain spill, do not allow material to enter sewers or bodies of water. Keep unprotected persons and animals out of the area.

Methods for cleaning up:

Soak up with sand, sawdust or other absorbent material, shovel or sweep up and bury in an approved landfill.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes and skin. Do not breathe vapour or mist. Do not swallow. Keep away from heat and flames. Keep out of reach of children and animals.

Storage:

Store in original container, tightly closed in a locked, dry, well ventilated place away from food or feedstuffs.

Packaging materials:

HDPE Plastic

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Exposure Standards: Not established.

Engineering measures

Exposure control measures: General room ventilation is expected to be satisfactory for use at room temperature.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors at a low level.

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system: Respiratory protection not normally required.
If airborne concentrations are likely to be excessive, wear an approved respirator.

Skin and body: Cotton overalls buttoned to the neck and wrist and a washable hat.

Hands: Wear elbow length PVC gloves.

Eyes: Safety goggles or face shield

General hygiene: After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, goggles or face shield and contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Colour, Odour. Clear, colourless liquid with a mild odour

pH: Neutral

Vapour Pressure: <1.33 h/Pa (1.00 mmHg) at 20°C

Boiling Point: >150°C at STP unless specified below. (estimated)

Freezing/melting point: -5°C at STP unless specified below.

Solubility: Dispersable.

Specific gravity or density: 1.0067 at 25°C. (1.013 hPa)

Information for flammable material: Not Flammable

Flashpoint: 110°C

Octanol/water partition coefficient: Not available

Explosion properties: Not Explosive

Oxidation properties: Not an Oxidising Agent.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use.

Conditions to avoid: None known.

Materials to avoid: Normally unreactive; however avoid contact with:
Strong bases in the presence of high temperatures
Strong acids

Strong oxidizing agents
Materials reactive with hydroxyl compounds

Hazardous decomposition Products:	Burning can produce the following combustion products: Oxides of carbon Oxides of silicon Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.
Hazardous polymerization:	Will not polymerise.
Specific Data:	
Hazardous reactions :	None expected

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral :	LD50 > 2,000 mg/kg (Rat)	
Acute toxicity - Dermal :	LD50 > 2,000 mg/kg (Rat)	
Acute toxicity – Inhalation:	Not available	
Skin irritation :	Slightly irritating	Species: Rabbit
Eye irritation:	Moderate irritation	Species: Rabbit
Sensitization :	This product is a sensitizer.	Species: Mouse
Chronic toxicity:	Repeat ingestion may cause damage to liver, kidneys, thyroid male and female reproductive system and blood forming system.	
Other information :		

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available
E.E.L	Not established
T.E.L	Not established

13. DISPOSAL CONSIDERATIONS

Methods of disposal :	Triple rinse container and add to spray tank, burn if circumstances, particularly wind direction, permit, otherwise crush and bury in an approved landfill. Do not contaminate bodies of water with chemical or empty container.
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14. TRANSPORT INFORMATION - International transport regulations

UN number:	Not a Dangerous Good
Class or Division:	N/A
Packing Group:	III
Marine Pollutant:	No
Proper shipping name :	N/A

**INTERNATIONAL AIR TRANSPORT
ASSOCIATION (IATA):**

15. REGULATORY INFORMATION

ACVM Registered Number: Not applicable
HSNO Approval Code: HSNO Group Standard: HSR002503

16. OTHER INFORMATION

Additional information: **Original Issue Date:** 01 September 2006
Revision Date: N/A
Replaces: N/A

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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