

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

1.1 **Product Identification** AEROSPRAY WITHOUT ETHYLENE GLYCOL

1.2 **Application and Use** SPRAY AEROWATER
Fire Fighting

1.3 **Supplier** Thomas Glover & Company, Parkfield House
Manchester Old Road, Middleton Manchester M24 4DY
0161 654 2222

Emergency Telephone Number

(01932) 785588

1.4 **Product Description** Hydrocarbon surfactants, fluorocarbon surfactants and glycol solvents.

2. COMPOSITION

Substance	Synonyms	Concentration %	Health class	CAS-No.
Di-ethylene glycol monobutyl ether	2-(2-Butoxyethoxy)ethanol	<10	X _i , R36	112-34-5
Hydrocarbon surfactants		<10	X _i , R41,38	142-31-4
Sodium salt		<1	R22,36,37,38	64-17-5
Fluorosurfactants		<5	X _i , R36,37,38	
Biocide		<0.1	Xi, R43	
Water		Balance		

3. HAZARDS IDENTIFICATION

Human health hazards: Irritating to eyes, skin and respiratory tract. May cause sensitisation by skin contact.

4. FIRST AID MEASURES

4.1 General

First aiders should know and take the precautions appropriate to avoid danger to themselves and the casualty.

Take casualty together with material safety data sheet of this product to hospital or doctor, if necessary.

First Aid – Skin: Wash off with warm soapy water. A moisturiser may be used to replenish lost oils. If persistent irritation occurs, obtain medical attention.

First Aid – Eye: Wash out eyes with plenty of water or eye wash solution and seek medical attention.

First Aid – Ingestion: Send casualty to hospital immediately. If ingestion is suspected, do not induce vomiting.

First Aid – Inhalation: Remove casualty from exposure. If there is breathing difficulty or cough, keep patient at rest, seated in position of maximum comfort.

5. FIRE FIGHTING MEASURES

General Hazards

N/A This product is for fire fighting purposes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Personal protection:

Environmental precautions:

Avoid contact with skin, eyes and clothing. Do not breathe mists, aerosols.

Wear protective clothing specified for normal operations.

SPILLAGE: The practice of washing spills into drains should be avoided if at all possible and should under no circumstances be allowed without first consulting the local Water Authority and the Environment Agency.

Clean-up methods – small spillage:

Absorb with earth, ash or sawdust for subsequent dry disposal. Place in a labelled, sealable container for subsequent safe disposal. Spillages cause slippery floors.

7. HANDLING AND STORAGE

Protect from sustained heat. Store in original sealed containers or approved systems. Store in an upright position not more than three high.

Personal Protective Equipment – Fire Fighting

Chubb foam concentrates will be used in fire fighting. This process may involve exposure to heat, flame and possibly toxic vapours and fumes. We recommend that appropriately designed personal protective equipment designed for use in firefighting situations should be used.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

General precautions: Use only in well ventilated areas and follow general good housekeeping procedures

Occupational Exposure Limit:

Personal Protective Equipment – Other Handling

Avoid prolonged, extensive or repeated inhalation or contact to eyes and skin.

Hand Protection Wear impervious gloves of an approved type (e.g. neoprene).

Eye Protection Wear safety goggles of an approved type (BS 2092).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid	pH at 20°C:	6–9
		Colour:	Clear pale yellow
		Boiling Point:	100°C at 760 mm Hg
		Odour:	Organic
		Flammability:	Not flammable
Freeze Point:	–1C	Solubility:	Miscible with water in all proportions
Viscosity at 20°C:	3.5	Specific Gravity:	1.025

10. STABILITY/REACTIVITY

Stability

Stable up to 100°C. Treat as water and exclude from contact with any materials which have violent reactions with water.

Hazardous Decomposition Products

Do not expose containers to heat or flame, since the containers are made from high density polyethylene and will burn. Thermal decomposition of containers and/or products may generate acrid smoke and fumes and traces of Na₂O, Cl⁻, SO_x, NO_x, and HF.

11. TOXICOLOGICAL INFORMATION

Inhalation

Inhalation of hazardous amounts is unlikely when used as intended. Is irritant to respiratory tract when inhaled.

Ingestion

Low oral risk when used as intended. May cause nausea, vomiting and diarrhoea when ingested.

Contact to eyes or skin

Low risk if appropriate precaution measures are taken (see section 6). Can cause skin irritation and damage to the eyes

12. ECOLOGICAL INFORMATION

Persistence/degradability: Readily biodegradable.
Bioaccumulation: Bioaccumulation is unlikely to occur due to metabolism and excretion.

Biodegradation

Biodegradable: No data available at present

Ecotoxicity: No data available at present.

13. DISPOSAL CONSIDERATIONS

Disposal

Waste should be disposed via local authority waste collection service or registered waste carrier. Ensure the destination is a licensed facility.

Local legislation: Control of Pollution Act 1974
Environmental Protection Act 1990
Special Waste Regulations 1996

14. TRANSPORT INFORMATION

Label for conveyance: No Transport Warning Sign Required
Road:
UN No: N/C
Rail:
Rail Transport Class No: N/C
Sea:
Sea Transport Class No: N/C EmS No: N/C
MFAG Table No: N/C
Air:
Air Transport Class No: N/C

15. REGULATORY INFORMATION

Label For Supply:	Xi	
	Irritant	
Risk Phrases:	R36, R37, R38, R43	May cause sensitisation to skin and eyes. Irritating to eyes, skin and respiratory tract
Safety Phrases	S23, S24, S25, S26, S29	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection. Avoid contact with eyes and skin. Do not breath vapour/spray

UK Regulatory References:

Health and Safety at work Act 1974.

Chemicals (Hazard Information & Packaging for Supply) Regulations 1994 / Amendment Regulations 1996.

EC Directives: Substances Directive 67/548/EEC as amended by 69/81/EEC, 70/189/EEC, 73/146/EEC, 75/409/EEC, 79/831/EEC General Preparations Directive 88/379/EEC.

Statutory Instruments: Chemicals (Hazard Information and Packaging for Supply) Regulations.
Approved Code of Practice:

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes: Occupational Exposure Limits EH40/96.

16. OTHER INFORMATION

For further literature/information see product data sheet

DISCLAIMER: This information is based on our current knowledge and is intended to describe the product for the purposes of health,safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
