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MATERIAL SAFETY DATA SHEET

Revision No: 1

Date Revised: 25th May, 2009Date Issued: 25th May, 2009

PRODUCT NAME: MULTIFLOC[®] SE 287

CHEMICAL NAME: coagulant enhancer

Classified as Hazardous according to the criteria of Worksafe Australia.

UN No.: None

HAZCHEM: None

DG CLASS: None Allocated

Poison Schedule: S5

Packaging Group: None

EPG: None

Product Uses: Used as a coagulant enhancer for treatment of potable and waste waters.

Ingredients:

Name:	Proportion:
Alkaline Salt	30-60%
Metal Oxide	0-10%
Water	to 100%

PHYSICAL DATA

Appearance & odour:	Viscous liquid, colorless, clear to slightly turbid, odorless.
Molecular weight:	Not available
Boiling point (°C):	~100°C
Melting point (°C):	Not available
Specific Gravity:	1.37 to 1.39 at 25°C (H ₂ O = 1)
pH:	11-12 at 25°C (7 = neutral)
Vapour pressure (kPa):	Not available or applicable
Relative vapour density:	Not available or applicable (air = 1)
Volatile by weight (%):	50-55%
Solubility in water:	Completely miscible
Evaporation rate:	Not relevant (n-butyl acetate = 100)

FIRE AND EXPLOSION HAZARD DATA

Flash point (°C):	Material is non-flammable and non-combustible.
Auto ignition point (°C):	Not applicable.
Explosion Limits In Air (% by volume)	
Lower:	Not applicable.
Upper:	Not applicable.
Extinguishing media:	Fires can be attacked with extinguishers to suit local flammable/combustible materials.
Special Procedures:	None
Unusual hazards:	None
Conditions to avoid:	Contact with metals such as aluminium zinc, tin and lead can generation a flammable hydrogen gas.
Materials to avoid:	Strong acids, water and metals such as aluminium and zinc.
Decomposition products:	None known.
Hazardous polymerisation:	Will not occur.

Label safety and risk phrases:

R41 Risk of serious damage to eyes, R37/38 Irritating to respiratory system and skin. S23 Do not breathe gas/fumes/vapour/spray, S45 In case of accident or if you feel unwell seek medical advice immediately, S24/25 Avoid contact with skin and eyes, S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

HEALTH HAZARD DATA

Threshold limit value: TWA limit is 10mg per m³.

TWA: The time-weighted average airborne concentration over an eight-hour, for a five-day working week over an entire working life.

EFFECTS OF EXPOSURE

Eyes: This product is classified as irritating to the eyes, may cause problems including corneal damage or transient blindness if contact is not treated promptly.

Skin: This product is classified as irritating in contact with the skin and may cause symptoms ranging from itching to redness and blisters if not treated promptly.

Inhalation: This product is classified as irritating by inhalation. Inhalation may cause coughing and chest discomfort.

Ingestion: This product is classified as irritating by ingestion and may cause problems if treatment is not sought.

FIRST AID

Eyes: Flush with water for 15 minutes and seek medical attention.

Skin: Remove contaminated clothing and flush effected areas with soap and water.

Inhalation: No vapour, can only be inhaled as mist or aerosol and any dose will bring on unpleasant reaction, dry mouth taste. Remove from source of mist, allow patient to stabilise breathing in fresh air. If problems persist seek medical attention.

Ingestion: Give water to drink. Do not induce vomiting seek medical attention immediately.

Toxicity data: No toxicology data available for this product.

SPILL OR LEAK PROCEDURE**Steps to be taken in case material is released or spilled:**

In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including face shield, face masks and protective gauntlets. Absorb onto vermiculite or other absorbent material, sweep up or shovel product into labeled containers for recycle or disposal.

Waste disposal method:

Material may be disposed of to approved landfill in compliance with local state and federal regulations.

SAFE HANDLING INFORMATION**SPECIAL PROTECTION INFORMATION**

Respiratory protection: None required in normal operation. Fit respirator if application generates mist.

Ventilation: Local exhaust recommended.

Protective gloves: PVC or rubber.

Eye protection: Chemical goggles or safety glasses.

Other protective equipment: Not required, aprons and rubber boots can be used in wet conditions but mainly as a protection from the water.

SPECIAL PRECAUTIONS

Handling & storage: Keep from extreme heat and open flames, and make sure the material does not come in contact with acids, water or aluminium zinc, tin and lead.

EMERGENCY CONTACTS:

Telephone number: (02) 9624 1333 (all hours — message on after hours)
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Changes made to document in this revision:
Formatting.

This MSDS summarises our best knowledge of health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

This MSDS consists of 3 pages, please advise if your document does not contain the same number of pages as it will not be complete.

END OF DOCUMENT