

MATERIAL SAFETY DATA SHEET

NON HAZARDOUS BY CRITERIA OF WORKSAFE AUSTRALIA

Date of issue: 20-05-2004 , Page No.1 of 2 pages.

IDENTIFICATION

PRODUCT NAME: FERROHIB.

U.N. NUMBER: NONE ALLOCATED.

DANGEROUS GOODS PRIMARY RISK CLASS: 3.4 Combustible liquid.

HAZCHEM CODE: None allocated.

POISONS SCHEDULE: None allocated.

USE: Corrosion inhibitor.

PHYSICAL DESCRIPTION/PROPERTIES: Clear colourless, viscous, hygroscopic liquid with a slight ammoniacal odour.

Specific Gravity: (20°C) 1.18 (water =1)
Flash Point: > 179.0°C

Solubility: Soluble in water, alcohol and chloroform. Slightly soluble in benzene and ether.

Reactivity: Strong base. Absorbs water from air. Can react vigorously with oxidizing materials. Reacts with nitrite and oxides of nitrogen.

HAZARDOUS PROPERTIES:

Strong base.
Can react vigorously with oxidizing materials.
Reacts with nitrite and oxides of nitrogen.

HAZARDOUS INGREDIENTS: ARYL SULPHONAMIDO CARBOXYLATE, TRIETHANOLAMINE.

HEALTH HAZARD INFORMATION

HEALTH EFFECTS:

SWALLOWED: Ingestion produces intense gastrointestinal irritation with hemorrhage and congestion of the intestines.

EYE: A severe eye irritant.

SKIN: Contact with the skin will cause mild irritation. Can be absorbed through the skin with resultant toxic effects.

INHALED: Not normally an inhalation risk due to low vapour pressure at ambient temperatures. Vapour is an irritant to mucous membranes and respiratory tract.

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FIRST AID

SWALLOWED: Immediately rinse mouth with water . Give water to drink. If vomiting occurs give more water to achieve effective dilution. Seek immediate medical assistance.

EYE: Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

SKIN: Immediately wash contaminated area with plenty of water Remove contaminated clothing and wash before reuse.

INHALED: Remove victim from exposure- avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. For all but the most minor symptom arrange for the patient to be seen by a doctor as soon as possible.

ADVICE TO DOCTOR:

Treat symptomatically.

P R E C A U T I O N S F O R U S E
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EXPOSURE LIMITS: No limits have been set for this specific material by the National Occupational Health and Safety Commission.(Worksafe Australia).

VENTILATION: Use in a well ventilated area.

PERSONAL PROTECTION: Avoid all contact. Wear overalls, full face shield, elbow-length gloves, splash apron and rubber boots. Use with adequate ventilation.

FLAMMABILITY: Combustible liquid.

S A F E H A N D L I N G I N F O R M A T O N
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STORAGE AND TRANSPORT:

DANGEROUS GOODS PRIMARY RISK CLASS: 3.4 Combustible liquid.

SECONDARY RISK CLASS: None.

PACKAGING CLASS 2 .

Store in a cool place and out of direct sunlight. Store away from oxidizing agents, . Store away from sources of heat and ignition. Keep containers closed at all times.

SPILLS AND DISPOSAL: Slippery when spilt. Avoid accidents. Clean up immediately. Contain using sand or soil and prevent runoff into drains and waterways. Use absorbent material (Sand, soil, or other inert materials) Collect and seal in properly labeled containers for disposal.

FIRE/EXPLOSION HAZARD:

Combustible. Not considered to be a significant fir risk. Decomposes on heating emitting toxic fumes of NOx (NO and NO₂). Fire fighters are to wear self contained breathing apparatus if there exists a possibility of exposure to fumes or products of combustion.

EXTINGUISHING MEDIA: Foam, Water, spray, Carbon dioxide, or dry chemical powder.

ENVIRONMENTAL/ECOLOGICAL EFFECTS

Biological elimination of Aryl sulfonamido carboxylate is 10-35% by OECD Method 302B. This degree of biodegradability classifies this chemical as "Inherently Biodegradable". Fish toxicity: LCO, <500 MG/L. Tested on the species "Golden Orfe" for 48 hours. Toxicity to bacteria in effluent: EC50, > 1000MG/L. Test: OECD 209. Chemical oxygen demand 1490 MG O₂/G. Do not allow product to enter waste water, rivers or creeks. The other major ingredient is Triethanolamine, which is classified as "Readily Biodegradable".

C O N T A C T P O I N T S

ORGANISATION	LOCATION	TELEPHONE	ASK FOR
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Ferro Finishing Pty. Ltd..	Riverwood NSW	(02) 9534 1155	Technical Officer
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Poisons Information Centre		131126	
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Fire Brigade		000	Fire Brigade
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Police		000	Police
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This MSDS should be made available to every person who has to work with this product.