

SECTION 1 - Product Identification & Use

COMMON NAME:	Ferrifloc	MANUFACTURER:	DISTRIBUTOR:
MATERIAL IDENTIFIER:	0923	Sci-Tech Inc.	
APPLICATION:	Flocculant	#340 53016 Hwy 60	
WHMIS CLASSIFICATION:	E	Acheson, AB T7X 5A7	
EMERGENCY CONTACT:	CANUTEC	(780) 960-1200	
EMERGENCY PHONE:	(613) 996-6666		

SECTION 2 - Hazardous Ingredients

HAZARDOUS INGREDIENTS	%	CAS/UN #	LD(50) OF INGREDIENT	LC(50) OF INGREDIENT
Ferric sulphate	30 - 60	10028-22-5	Rat (Oral) 5000 mg/kg	n.av.
Sulfuric acid	0.1 - 1	7664-93-9	Rat (Oral) 2140 mg/kg	Rat 255 ppm 4h

SECTION 3 - Physical Data

PHYSICAL STATE:	ODOUR AND APPEARANCE:	SOLUBILITY IN WATER:	ODOUR THRESHOLD:
Liquid	Odourless; Red	100%	n.av.
SPECIFIC GRAVITY:	VAPOUR DENSITY (air=1):	VAPOUR PRESSURE:	% VOLATILE BY VOLUME:
1.51 ± 0.02	n.av.	n.av.	n.av.
BOILING POINT:	MELTING POINT:	pH:	OCTANE-WATER COEFF:
110 °C	-40 °C	1.0 ± 0.5	n.av.

OTHER PERTINENT INFORMATION:

n.av.

SECTION 4 - Fire & Explosion Data

FLAMMABILITY:	FLASHPOINT (°C):	n.av.
This product will not burn or support combustion.	AUTOIGNITION TEMPERATURE (°C):	n.av.
MEANS OF EXTINCTION:	LOWER FLAMMABLE LIMIT (% BY VOLUME):	n.av.
Use media proper to primary cause of fire.	UPPER FLAMMABLE LIMIT (% BY VOLUME):	n.av.
SPECIAL PROCEDURES:	EXPLOSION SENSITIVITY TO IMPACT:	n.av.
It is recommended that a NIOSH approved SCBA be used when either in confined areas or exposed to combustion products.	SENSITIVITY TO STATIC DISCHARGE:	n.av.
HAZARDOUS COMBUSTION PRODUCTS:		
(See Hazardous Decomposition)		

SECTION 5 - Reactivity Data

CHEMICAL STABILITY:
Stable under normal conditions.
INCOMPATIBLE MATERIALS:
Avoid strong bases, oxidizers, reducing agents and metal powder.
HAZARDOUS DECOMPOSITION:
At temperatures above >600 °C sulphur trioxide may be released

SECTION 6 - Toxicological Properties**INHALATION:**

Mist may cause irritation of the upper respiratory tract.

EYE CONTACT:

May cause moderate to severe irritation.

SKIN CONTACT:

May cause skin burns and permanent skin damage.

INGESTION:

May cause gastrointestinal irritation and nausea.

SECTION 7 - Preventative Measures

GLOVES: Impermeable gloves required.

FOOTWEAR: Specialty footwear not required.

RESPIRATOR: Not required for normal use.

CLOTHING: Butyl rubber coveralls or aprons required.

EYEWEAR: Chemical goggles or safety glasses required.

OTHER: Eye-wash station and shower required.

ENGINEERING CONTROL:

Use with adequate general ventilation.

LEAK AND SPILL PROCEDURE:

Collect using absorbent and place in a container for proper disposal. Flush traces with water.

WASTE DISPOSAL:

Dispose of in a suitable container according to all local, provincial and federal regulations.

HANDLING PROCEDURES AND EQUIPMENT:

Do not ingest. Avoid skin and eye contact.

STORAGE REQUIREMENTS:

Store in a cool, dry area above freezing and away from incompatibles. Keep container tightly closed when not in use. Protect from damage.

TDG CLASSIFICATION:

Corrosive liquid, acidic, inorganic, n.o.s. (ferric sulfate) Class 8, UN 3264 PG III

SECTION 8 - First Aid Procedures**INHALATION:**

Remove victim from exposure and allow fresh air. If discomfort results, seek medical attention.

EYE CONTACT:

In case of contact with eyes, check for and remove contact lenses. Immediately flush with cold running water for at least 15 minutes. Seek medical attention immediately.

SKIN CONTACT:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing and shoes before reuse.

INGESTION:

DO NOT INDUCE VOMITING. Have victim drink large amounts of water. Seek medical attention.

SECTION 9 - Preparation of MSDS**PREPARED BY:**

SCI-TECH Department of Research and Development

PHONE NUMBER:

(780) 960-1200

CONSTRUCTED:

07/29/2008

RELEASED:

01/03/2011

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