



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	KEMTEC FT500 COLLECTOR
CHEMICAL FAMILY:	Sodium Mercaptobenzothiazole (50%)
SYNONYMS:	Heterocyclic Sulfur Compound
MOLECULAR FORMULA:	C7H4NS2Na
MOLECULAR WEIGHT:	189
SUPPLIER:	Kemtec Mineral Processing Pty Ltd • Suite 131/15 Hall St • Port Melbourne VIC 3207
PRODUCT INFORMATION:	Tel: +61 3 9646 3833 • Fax: +61 + 9646 3933 • Web Site: www.Kemtec.com.au
EMERGENCY PHONE:	INFOSAFE 1800 638 556 (24hrs)
ISSUE DATE:	March 15, 2015

2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA REGULATED COMPONENTS

COMPONENT	CAS No.	% (w/w)	OSHA (PEL)	ACGIH (TLV)	Carcinogen
Sodium mercapto-benzothiolate	2492-26-4	50%	Not Established	-	-
Sodium hydroxide	1310-73-2	<1.0	2 mg/m3 (ceiling)	-	-

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE AND ODOR

Color: Yellow-green, clear
Appearance: Non-viscous Liquid
Odor: Slight sulfur odor

STATEMENT OF HAZARD

WARNING! MAY CAUSE EYE BURNS AND SKIN IRRITATION

POTENTIAL HEALTH EFFECTS

EFFECTS / ROUTES OF EXPOSURE

The estimated acute oral (rat) and acute dermal (rabbit) LD₅₀ values are 1.2 ml/kg and .25 ml/kg, respectively. The calculated four hour acute inhalation LC₅₀ (rat) is 15 mg/L.

Direct contact with this material may cause severe eye and skin irritation.

Refer to Section 11 for toxicology information on the regulated components of this product.

4. FIRST AID MEASURES

INGESTION:	If greater than 15 cc is swallowed, induce vomiting immediately. Never give anything by mouth to an unconscious person.
SKIN CONTACT:	In case of skin contact, remove contaminated clothing without delay. Wear impervious gloves. Cleanse skin thoroughly with soap and water. Do not omit cleaning hair or under fingernails if contaminated. Do not reuse clothing without laundering. Do not reuse contaminated leatherware.
EYES CONTACT:	In case of eye contact, immediately irrigate with plenty of water for 15 minutes. Obtain medical attention without delay.

INHALATION: Material is not expected to be harmful if inhaled. Remove to fresh air.

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA AND FIRE FIGHTING INSTRUCTIONS

Extinguishing Media

Use water, carbon dioxide or dry chemical to extinguish fires.

Protective Equipment

Wear self-contained, positive-pressure breathing apparatus and full firefighting protective clothing. See Section 8 (Exposure Controls/Personal Protection) for special protective clothing.

Special Hazards

Keep containers cool by spraying with water if exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear approved respirator for level of exposure.

METHODS FOR CLEAN UP

Cover spills with some inert absorbent material; sweep up and place in a waste disposal container. Flush area with water.

ENVIRONMENTAL PRECAUTIONS

Not available

7. HANDLING AND STORAGE

HANDLING

Precautionary Measures

Avoid contact with eyes, skin, and clothing.

Special Handling Statements

None Known

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS

Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.

PERSONAL PROTECTIVE EQUIPMENT

EYES: Wear eye/face protection such as chemical splash proof goggles or face shield. Eyewash equipment and safety shower should be provided in areas of potential exposure.

SKIN: Avoid skin contact. Wear impermeable gloves and suitable protective clothing.

RESPIRATORY PROTECTION: For operations where inhalation exposure can occur, use an approved respirator recommended by an industrial hygienist after an evaluation of the operation. Where inhalation exposure can not occur, no respiratory protection is required. A full facepiece respirator also provides eye and face protection. is required. Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure.

ADDITIONAL ADVICE

Food, beverage and tobacco products should not be carried, stored or consumed where this material is used. Before eating, drinking, or smoking, wash face and hands with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Yellow-green, clear, non-viscous liquid; slight sulfur odor
BOILING POINT:	217°F (103°C)
MELTING POINT:	21°F (-6°C)
VAPOR PRESSURE:	Not Available
SPECIFIC GRAVITY:	1.25 @ 25°C
VAPOR DENSITY:	Not Available
% VOLATILE (BY WT.):	50%; (water)
pH:	<11;
SATURATION IN AIR (% by Vol):	Not available
EVAPORATION RATE:	Not available
SOLUBILITY IN WATER:	Complete
VOLATILE ORGANIC CONTENT:	Not available
FLASH POINT:	>200°F (93°C) Setaflash Closed Cup
FLAMMABLE LIMITS (% BY VOL.):	Not available
AUTOIGNITION TEMPERATURE:	Not available
DECOMPOSITION TEMPERATURE:	Not available
PARTIAL COEFFICIENT (n-octanol/water):	Not available
ODOR TRESHOLD:	See Section 2 for exposure limits

10. STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID:	Not known
POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	None known
INCOMPATIBLE MATERIALS:	Strong acids and/or oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide; oxides of nitrogen; oxides of sulfur (includes sulfur di and tri oxides)

11. TOXICOLOGICAL INFORMATION

Toxicological information for the product is found under SECTION 3: HAZARDS IDENTIFICATION

Toxicological information on the regulated components of this product is as follows:

Sodium mercaptobenzothiazole has acute oral (rat) and dermal (rabbit) LD50 values of 3.1 g/kg and >2.5 g/kg, respectively. Sodium mercaptobenzothiazole is a severe eye and skin irritant. The material can also cause allergic contact dermatitis.

Acute overexposure to sodium hydroxide mists or dusts causes severe respiratory irritation. A solution of sodium hydroxide can produce irreversible damage to eyes and skin.

12. ECOLOGICAL INFORMATION

Material is toxic to aquatic environment.
This material is not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

RECOMMENDATIONS FOR THE PRODUCT:	Dispose of product in accordance with local, state, and federal laws and regulations. Do not contaminate any lakes, streams, ponds, ground water or soil.
RECOMMENDATIONS FOR PACKAGING:	Packaging that cannot be cleaned should be disposed of like the product.
RECOMMENDED CLEANSING AGENT:	Water

14. Transportation Information

	D.O.T. Shipping Information	IMO Shipping Information
SHIPPING NAME:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
HAZARD CLASS	8	8
PACKING GROUP:	II	II
UN/ID NUMBER:	3267	3267
IMDG PAGE:	Not applicable	-
DOT HAZARDOUS SUBSTANCE:	Not applicable	Not regulated
TRANSPORT LABEL REQUIRED:	CORROSIVE	CORROSIVE
	ICAO/IATA	Transport Canada
SHIPPING NAME:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
HAZARD CLASS:	8	8
SUBSIDIARY CLASS:	Not Applicable	-
UN/ID NUMBER:	3267	3267
PACKING GROUP:	II	II
TRANSPORT LABEL REQUIRED:	CORROSIVE	CORROSIVE
PACKING INSTRUCTIONS/ MAXIMUM NET QUANTITY:	PASSENGER	Not applicable
	CARGO	

ADDITIONAL TRANSPORTATION INFORMATION

Technical Name (N.O.S.): CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Contains Sodium Mercaptobenzothiazole)

15. REGULATORY INFORMATION

INVENTORY INFORMATION

United States (USA):	This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U. S. C. 2601 et. seq.
Canada:	Components of this product have been reported to Environment Canada in accordance with subsection 25 of the Canadian Environmental Protection Act and are included on the Domestic Substances List.
European Union (EU):	All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) in compliance with Council Directive 67/548/EEC and its amendments.

OTHER ENVIRONMENTAL INFORMATION

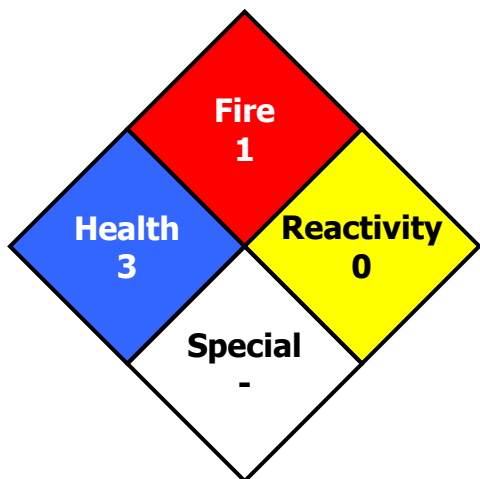
The following components of this product may be subject to reporting requirements pursuant to Section 313 of CERCLA (40 CFR 372), Section 12(b) of TSCA, or may be subject to release reporting requirements (40 CFR 307, 40 CFR 311, etc.) See Section 13 for information on waste classification and waste disposal of this product.

Component	CAS NO.	% (w/w)	TPQ (lbs)	RQ (lbs)	S313	TSCA 12B
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PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA

ACUTE (Y)	CHRONIC (N)	FIRE (N)	REACTIVE (N)	PRESSURE (N)
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16. OTHER INFORMATION



NFPA HAZARD RATING (National Fire Protection Association)

FIRE: Materials that must be preheated before ignition can occur.

HEALTH: Materials which on short exposure could cause serious temporary or residual injury even though prompt medical treatment were given.

REACTIVITY: Materials which in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.

REASON FOR REVISION: Updated UN number

Prepared By: Kenneth Lee

Revised By: Nicole Watt

IMPORTANT: The above information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warrant, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular uses.