



# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b>	<b>KEMTEC FT34 COLLECTOR</b>
CHEMICAL FAMILY:	Xanthogen Formate
SYNONYMS:	None
MOLECULAR FORMULA:	C <sub>7</sub> H <sub>12</sub> O <sub>3</sub> S <sub>2</sub>
MOLECULAR WEIGHT	208
MANUFACTURER:	Kemtec Pty Ltd, Suite 131/15 Hall St, Port Melbourne VIC 3207
PRODUCT INFORMATION:	Tel: +613 9646 3833 • Fax: +613 9646 3933
EMERGENCY PHONE:	INFOSAFE 1800 638 556 (all hours)
ISSUE DATE:	November 30, 2014

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### OSHA REGULATED COMPONENTS

COMPONENT	CAS No.	% (w/w)	OSHA (PEL)	ACGIH (TLV)	Carcinogen
Isopropyl Xanthogen Ethyl Formate	67969-80-6	>90%	N/A	N/A	-

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

#### APPEARANCE AND ODOR

Color:	Deep yellow
Appearance:	Liquid
Odor:	Slight sweet

#### STATEMENT OF HAZARD

**WARNING!** MAY CAUSE MILD EYE AND SKIN IRRITATION  
COMBUSTIBLE LIQUID AND VAPOR

### POTENTIAL HEALTH EFFECTS

#### EFFECTS / ROUTES OF EXPOSURE

The toxicological properties of this material have not been fully investigated. The estimated acute oral (rat) LD50, acute dermal (rabbit) LD50 and 4 hour inhalation (rat) LC50 values for this material are >5000 mg/kg, >2000 mg/kg and >20 mg/kg, respectively. Direct contact with this material may cause mild eye and skin irritation. Refer to Section 11 for toxicology information on the regulated components of this product.



## 4. FIRST AID MEASURES

<b>INGESTION:</b>	Material is not expected to be harmful by injection. No specific first aid measures are required.
<b>SKIN CONTACT:</b>	Wash immediately with plenty of water and soap. Remove contaminated clothing and shoes without delay. Obtain medical attention. Do not reuse contaminated clothing without laundering. Destroy or thoroughly clean shoes before reuse.
<b>EYE CONTACT:</b>	Rinse immediately with plenty of water for at least 15 minutes. Obtain medical advice if there are persistent symptoms.
<b>INHALATION:</b>	Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

## 5. FIREFIGHTING MEASURES.

### EXTINGUISHING MEDIA AND FIRE FIGHTING INSTRUCTIONS

<b>Extinguishing Media:</b>	Use water spray, alcohol foam, carbon dioxide or dry chemical to extinguish fires. Water stream may be ineffective.
<b>Protective Equipment:</b>	Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing. See MSDS Section 8 (Exposure Controls/Personal Protection).
<b>Special Hazards:</b>	Keep containers cool by spraying with water if exposed to fire.

## 6. ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS:</b>	Where exposure level is known, wear approved respirator suitable for level of exposure. Where exposure level is not known, wear approved, positive pressure, self-contained respirator. In addition to the protective clothing/equipment in Section 8 (Exposure Controls/Personal Protection), wear impermeable boots.
<b>METHODS FOR CLEAN UP:</b>	Cover spills with some inert absorbent material; sweep up and place in waste disposal container. Flush area with water.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Not available.

## 7. HANDLING AND STORAGE

### HANDLING

<b>Precautionary Measures :</b>	Do not get in eyes, on skin, on clothing. Keep away from heat and flames. Wash thoroughly after handling.
<b>Special Handling Statements :</b>	None known

### STORAGE

Keep away from heat and flame. Areas containing this material should have fire safe practices and electrical equipment in accordance with applicable regulations and/or guidelines. Standards are primarily based on the materials flashpoint, but may also take into account properties such as miscibility with water or toxicity. All local and national regulations should be followed. In the Americas, National Fire and Protection Association (NFPA) 30: Flammable and Combustible Liquids Code, is a widely used standard. NFPA establishes storage conditions of the following classes of Materials: Class I Flammable Liquids, Flashpoint <37.8°C. Class II Combustible Liquids, 37.8°C < Flashpoint < 60°C. Class IIIa Combustible Liquids, 60°C < Flashpoint < 93°C. Class IIIb Combustible liquids, Flashpoint > 93°C.

**Storage Temperature:**

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**ENGINEERING MEASURES:** 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

**RESPIRATORY PROTECTION:** Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure.

**EYE PROTECTION:** Avoid eye contact. 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 PROTECTION:** Avoid skin contact. Wear impermeable gloves and suitable protective clothing.

**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

<b>COLOR:</b>	Yellow liquid
<b>APPEARANCE:</b>	Liquid
<b>ODOR:</b>	Slight sweet odor
<b>BOILING POINT:</b>	Not available
<b>MELTING POINT:</b>	Not applicable
<b>VAPOR PRESSURE:</b>	Not available
<b>SPECIFIC GRAVITY:</b>	1.13@ 23°C
<b>VAPOR DENSITY:</b>	Not available
<b>% VOLATILE (BY WT.):</b>	Not available
<b>pH:</b>	Not available
<b>SATURATION IN AIR (% by Vol):</b>	Not available
<b>EVAPORATION RATE:</b>	Not available
<b>SOLUBILITY IN WATER:</b>	Dispersible
<b>VOLATILE ORGANIC CONTENT:</b>	Not available
<b>FLASH POINT:</b>	>200°F; 93.5°C TCC
<b>FLAMMABLE LIMITS (% BY VOL.):</b>	Not available
<b>AUTO IGNITION TEMPERATURE:</b>	Not available
<b>DECOMPOSITION TEMPERATURE:</b>	Not available
<b>PARTIAL COEFFICIENT (n-octanol/water):</b>	Not available
<b>ODOR THRESHOLD:</b>	See Section 2 for exposure limits

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID:</b>	None Known
<b>POLYMERIZATION:</b>	Will not occur
<b>CONDITIONS TO AVOID:</b>	None known
<b>MATERIALS TO AVOID:</b>	Strong acids, bases, oxidizers, high temperature
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Carbon disulfide, Carbon monoxide, carbon dioxide, 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:

This product contains no OSHA regulated (hazardous) components

## 12. ECOLOGICAL INFORMATION

No aquatic LC50, BOD, or COD data available.

## 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

This section provides basic shipping classification information.  
 Refer to appropriate transportation regulations for specific requirements.

<b>U.S. DOT</b>				
PROPER SHIPPING NAME:	Not applicable/ Not regulated			
HAZARD CLASS	Not applicable/ Not regulated			
PACKING GROUP:	Not applicable/ Not regulated			
UN/ID NUMBER:	Not applicable/ Not regulated			
TRANSPORT LABEL REQUIRED:	None required			
TECHNICAL NAME (N.O.S.):	Not applicable			
HAZARDOUS SUBSTANCE:	Not applicable			
COMMENTS:				
<b>TRANSPORT CANADA</b>				
PROPER SHIPPING NAME:	NOT APPLICABLE/NOT REGULATED			
HAZARD CLASS	Not applicable			
PACKING GROUP:	Not applicable			
UN/ID NUMBER:	Not applicable			
TRANSPORT LABEL REQUIRED:	None required			
TECHNICAL NAME (N.O.S.):	Not applicable			
<b>ICAO/IATA</b>				
PROPER SHIPPING NAME:	NOT APPLICABLE/NOT REGULATED			
HAZARD CLASS:	Not applicable			
PACKING GROUP:	Not applicable			
UN NUMBER:	Not applicable			
TRANSPORT LABEL REQUIRED:	None Required			
PACKING INSTRUCTIONS/ MAXIMUM NET QUANTITY:	PASSENGER AIRCRAFT	Not applicable	Not applicable	
	CARGO AIRCRAFT	Not applicable	Not applicable	
TECHNICAL NAME (N.O.S.):	Not Applicable			
<b>IMO</b>				
PROPER SHIPPING NAME:	NOT APPLICABLE/NOT REGULATED			
HAZARD CLASS:	Not applicable			
UN NUMBER:	Not applicable			
PACKING GROUP:	Not applicable			
TRANSPORT LABEL REQUIRED:	None Required			
TECHNICAL NAME (N.O.S.):	Not applicable			

## 15. REGULATORY INFORMATION

### INVENTORY INFORMATION

<b>United States (USA)</b>	All components of this product are included on the TSCA Chemical Inventory in compliance with the Toxic Substance Control Act, 15 U. S. C. 2601 et. seq.
<b>Canada</b>	This product contains components on the Domestic Substances List. These components have been reported in accordance with subsection 26 of the Canadian Environmental Protection Act.
<b>European Union (EU)</b>	Product is not included in the European Inventory of Existing Chemical Substances (EINECS). The product can be supplied in quantities less than 10kg/year according to the Council Directive 67/548/ECC and its amendments.

### OTHER ENVIRONMENTAL INFORMATION

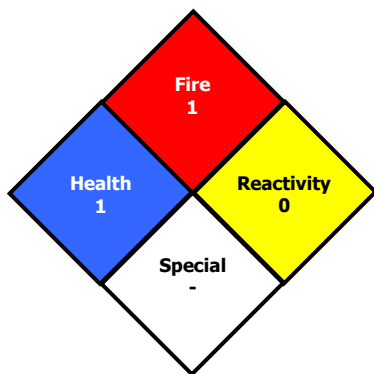
The following components of this product may be subject to reporting requirements pursuant to Section 313 of CERCLA (40 CFR 372), Section 12(b) of TSCA, or may be subject to release reporting requirements (40 CFR 307, 40 CFR 311, etc.) See Section 13 for information on waste classification and waste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

Component	CAS NO.	% (w/w)	TPQ (lbs)	RQ (lbs)	S313	TSCA 12B
This product does not contain any components regulated under these sections of the EPA	-	-	-	-	-	-

### PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA

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



### NFPA HAZARD RATING (National Fire Protection Association)

<b>HEALTH</b> - 1 -	Materials which on exposure would cause irritation but only minor residual injury even if no treatment is given.
<b>FIRE</b> - 1 -	Materials must be preheated before ignition can occur.
<b>REACTIVITY</b> - 0 -	Materials that in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.

**REASON FOR REVISION:** Emergency contact update

**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.