

6338

MSDS0543

Ver. No.1

Ver. Date June 22, 2000

KIT06754

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SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Acid Detector™ For POE Oils

PRODUCT CODE: 45006

CHEMICAL FAMILY: Organic

USE: Acid Detection Kit

MANUFACTURER / SUPPLIER

RectorSeal
2601 Spenwick
Houston, Texas 77055 USA

EMERGENCY TELEPHONE NUMBERS:

Chemtrec 24 hours: (800) 424-9300

RectorSeal: (713) 263-8001

NON EMERGENCY TELEPHONE NUMBERS:

Technical Service: (800) 231-3345

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

<u>HAZARDOUS COMPONENTS</u>	<u>CAS NO.</u>	<u>APPROX</u>		<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>	<u>HMIS</u>	<u>NFPA</u>
		<u>%</u>	<u></u>					
Methanol	67-56-1	< 99		200 ppm	200 ppm	STEL 200 ppm	N/D	H1,F3,R0

SECTION 3 HAZARDS IDENTIFICATION

SUMMARY OF ACUTE HAZARDS: Overexposure may cause coughing, shortness of breath, dizziness, central nervous system depression, intoxication and collapse. It may cause irritation to the respiratory tract and to other mucous membranes.

<u>ROUTE OF EXPOSURE</u>	<u>SIGNS AND SYMPTOMS</u>	<u>PRIMARY ROUTE(S)</u>
INHALATION:	Overexposure may cause coughing, shortness of breath, dizziness, central nervous system depression, intoxication and collapse. It may cause irritation to the respiratory tract and to other mucous membranes.	Yes
EYE CONTACT:	Severely irritating. If not removed promptly, will injure eye tissue, which can result in permanent damage.	Yes
SKIN CONTACT:	Frequent or prolonged contact may irritate and cause dermatitis. Can be absorbed through skin.	Yes
INGESTION:	May be fatal or cause blindness if swallowed. Small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.	No

SUMMARY OF CHRONIC HAZARDS: Prolonged skin contact may result in irritation and chemical burns. Prolonged eye contact may result in permanent corneal damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

SECTION 4 FIRST AID MEASURES

INHALATION:	If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.
EYE CONTACT:	Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.
SKIN CONTACT:	Wash with soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention.
INGESTION:	If swallowed, call a physician immediately. Do not induce vomiting. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: 52°F (11°C) SETA CC **FLAMMABILITY LIMITS:** LEL: 6% UEL: 36%

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained full face piece breathing apparatus and other protective clothing. Hazardous decomposition products possible (see Section 10). Dike fire control area as run-off may create additional fire hazard and environmental contamination.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable – low flash point. Burning liquid may float on water. Moderately explosive when exposed to heat or flame.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Use absorbent materials to prevent footing hazard and to contain. Ventilate area with natural or explosion-proof, forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

MATERIAL SAFETY DATA SHEET - **ACID DETECTOR™ FOR POE OILS** **6338**

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SECTION 7 STORAGE AND HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. Do not store near heat, sparks, or open flames.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions. Do not reuse empty containers. **KEEP OUT OF REACH OF CHILDREN.**

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): In confined poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air purifying or supplied air respirators.

VENTILATION – LOCAL EXHAUST: Acceptable

MECHANICAL (GENERAL): Preferable

SPECIAL: Explosion-proof equipment.

OTHER: N/A

PROTECTIVE GLOVES: Wear non-permeable gloves.

EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equivalent).

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 148°F (64°C) @ 760mm Hg

VAPOR PRESSURE (mm Hg): 138@ 77°F (25°C)

VAPOR DENSITY (AIR = 1): >1

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY (H₂O = 1): 0.79

MELTING POINT: N/A

EVAPORATION RATE (ETHYL ACETATE = 1): >1

APPEARANCE/ODOR: Clear liquid/Sharp odor

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Heat, sparks, open flames, and strong oxidizing conditions.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂ and fragmented hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGY INFORMATION

CARCINOGENICITY:

NTP: No

IARC MONOGRAPHS: No

OSHA REGULATED: No

SUBSTANCE

Methanol

CAS NO.

67-56-1

LD50

Oral-Rat LD50:5628 mg/kg

LC50

Inhalation-Rat LC50:64,000 ppm/4H

SECTION 12 ECOLOGICAL INFORMATION

SUBSTANCE

Methanol

FOOD CHAIN

CON POTENTIAL

None

WATERFOWL TOXICITY

N/A

BOD

1.12 lb/lb

AQUATIC TOXICITY

250 ppm/11 hr/goldfish/died

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: RCRA classified hazardous waste. Dispose of absorbed materials and liquid waste in accordance with all local, state and federal regulations.

SECTION 14 TRANSPORTATION INFORMATION

DOT: Flammable Liquid N.O.S., (contains Methanol), Class 3, UN 1993, PG II, ERG#128

OCEAN (IMDG): Flammable Liquid N.O.S., (contains Methanol), Class 3.2, UN 1993, PG II, IMDG#3230, EMS#3-07

AIR (IATA): Flammable Liquid N.O.S., (contains Methanol), Class 3, UN 1993, PG II, ERG#128

WHMIS (CANADA): Class B-2

SECTION 15 REGULATORY INFORMATION

SUBSTANCE

Methanol

SARA 313

Yes

TSCA INVENTORY

Yes

CERCLA RQ

5,000 lbs.

RCRA CODE

U154

SECTION 16 OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazardous Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, express or implied is made. Consult RectorSeal for further information: (713) 263-8001.