

MATERIAL SAFETY DATA SHEET

MSDS 0482

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

|                     |                            |                                 |   |
|---------------------|----------------------------|---------------------------------|---|
|                     |                            | HMIS CODES                      |   |
| PRODUCT NAME        | Acid Detector              | Health                          | 2 |
|                     |                            | Flammability                    | 3 |
|                     |                            | Reactivity                      | 0 |
| PRODUCT CODES       | 45002                      | PPI                             | B |
| CHEMICAL FAMILY     | Organic                    |                                 |   |
| USE                 | Acid Detector              |                                 |   |
| MANUFACTURER'S NAME | The RectorSeal Corporation | EMERGENCY TELEPHONE NO.         |   |
|                     | 2601 Spenwick Drive        | Chemtrec 24 Hours               |   |
|                     | Houston, Texas 77055 USA   | (800) 424-9300                  |   |
| VALIDATION DATE     | February 21, 2006          | TECHNICAL SERVICE TELEPHONE NO. |   |
| REVISION DATE       | February 21, 2006          | (800) 231-3345                  |   |

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

| % by WT | CAS No.  | INGREDIENT        | UNITS   |
|---------|----------|-------------------|---------|
| 44-54   | 67-56-1  | Methanol          |         |
|         |          | ACGIH TLV         | 200 ppm |
|         |          | OSHA PEL          | 200 ppm |
|         |          | OSHA STEL         | 200 ppm |
| 23-33   | 67-63-0  | Isopropyl Alcohol |         |
|         |          | ACGIH TLV         | 400 ppm |
|         |          | OSHA PEL          | 400 ppm |
|         |          | OSHA STEL         | 500 ppm |
| 3-13    | 108-88-3 | Toluene           |         |
|         |          | ACGIH TLV         | 50 ppm  |
|         |          | OSHA PEL          | 100 ppm |
|         |          | OSHA STEL         | 150 ppm |

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.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

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.

EYE CONTACT

Severely irritating.

SKIN CONTACT

Frequent or prolonged contact may irritate and cause dermatitis. Can be absorbed through skin.

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.

SUMMARY OF CHRONIC HAZARDS

Prolonged skin contact may result in irritation and dermatitis.

MEDICAL CONDITIONS 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

- If INHALED: 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.
- If on SKIN: Wash with soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention.
- If in EYES: Flush with large amounts of water for at least 15 minutes. Get medical attention if irritation persists.
- If SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Section 5 -- FIRE FIGHTING MEASURES

|                    |     |       |
|--------------------|-----|-------|
| FLASH POINT        | LEL | UEL   |
| 41 F (5 C) SETA CC | 6%  | 36.5% |

EXTINGUISHING MEDIA

Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable - low flash point. Vapors are heavier than air and may travel along ground or to low spots at considerable distance to a source of ignition resulting in potential flashback. Heat may build up pressure and rupture closed containers.

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.

Section 7 -- HANDLING AND STORAGE

-----  
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  
SPECIAL: Explosion-proof equipment  
MECHANICAL (GENERAL): Preferable  
OTHER: N/A  
PROTECTIVE GLOVES: Rubber or neoprene  
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: 147 F (64 C) @ 760mm Hg  
SPECIFIC GRAVITY (H2O = 1): 0.792  
VAPOR PRESSURE (mm Hg): <5 @ 68 F (20 C)  
MELTING POINT: N/A  
VAPOR DENSITY (AIR = 1): >1  
EVAPORATION RATE (ETHYL ACETATE = 1): 2.5  
APPEARANCE/ODOR: Clear Liquid/Sharp Odor  
SOLUBILITY IN WATER: Soluble  
VOLATILE ORGANIC COMPOUNDS(VOC)Content  
(Theoretical Percentage By Weight): 99% or (990 g/L)  
=====

Section 10 -- STABILITY AND REACTIVITY

-----  
STABILITY: Stable  
CONDITIONS TO AVOID: Heat, sparks, open flames, and strong oxidizing conditions.  
INCOMPATIBILITY (MATERIALS TO AVOID): Gaseous oxygen and strong oxidizing materials.  
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2 and fragmented hydrocarbons.  
HAZARDOUS POLYMERIZATION: Will not occur.  
=====

Section 11 -- TOXICOLOGY INFORMATION

-----  
CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

-----  
TOXICOLOGY DATA

Ingredient Name

Methanol

Oral-Rat LD50:5628 mg/kg  
Inhalation-Rat LC50:64,000 ppm/4H

Isopropyl Alcohol

Oral-Rat LD50:5045 mg/kg  
Inhalation-Rat LCLo:16,000 ppm/4H

Toluene

Oral-Rat LD50:5000 mg/kg  
Inhalation-Rat LCLo:4000 ppm/4H

=====  
Section 12 -- Ecological Information

-----  
ECOLOGICAL DATA

Ingredient Name

Methanol

Food Chain Concentration Potential N/A  
WATERFOWL TOXICITY N/A  
BOD 1.12 lb/lb  
AQUATIC TOXICITY 250 ppm/11 hr/goldfish/died

Isopropyl Alcohol

Food Chain Concentration Potential N/A  
WATERFOWL TOXICITY N/A  
BOD 133%  
AQUATIC TOXICITY 900-1100 ppm/24 hr/chub

Toluene

Food Chain Concentration Potential N/A  
WATERFOWL TOXICITY N/A  
BOD 0%  
AQUATIC TOXICITY 1180 mg/l/96 hr/sunfish/TLm

=====  
Section 13 -- DISPOSAL CONSIDERATIONS

-----  
Waste Classification: Ignitable(D001)

Disposal Method: Incineration

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 & Toluene), Class 3,  
UN1993, PG II, Ltd Qty, ERG#128

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

AIR (IATA): Flammable Liquid N.O.S., (contains Methanol & Toluene), Class 3,  
UN1993, PG II, Ltd Qty, ERG#128

WHMIS (CANADA): Class B-2

Section 15 -- REGULATORY INFORMATION

-----  
REGULATORY DATA  
Ingredient Name  
-----

|                   |                |           |
|-------------------|----------------|-----------|
| Methanol          | SARA 313       | Yes       |
|                   | TSCA Inventory | Yes       |
|                   | CERCLA RQ      | 5,000 lb. |
|                   | RCRA Code      | U154      |
| Isopropyl Alcohol | SARA 313       | No        |
|                   | TSCA Inventory | Yes       |
|                   | CERCLA RQ      | N/A       |
|                   | RCRA Code      | N/A       |
| Toluene           | SARA 313       | Yes       |
|                   | TSCA Inventory | Yes       |
|                   | CERCLA RQ      | 1,000 lb. |
|                   | RCRA Code      | U220      |

=====  
Section 16 -- OTHER INFORMATION  
-----

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