

**MATERIAL SAFETY DATA SHEET**

DATE ISSUED: JANUARY 15, 1993

**SECTION I. IDENTIFICATION OF PRODUCT**

PRODUCT NAME: **EN-SOLV**  
 PRODUCT DESCRIPTION: Sewer Degreaser  
 MANUFACTURER: Pioneer Research  
 3443 N. Central Avenue, Suite 1200  
 Phoenix, Arizona 85012  
 EMERGENCY TELEPHONE: 1-800-255-3924

**SECTION II. HAZARDOUS INGREDIENTS**

Hazardous Components (Specific Identity; Common Name (s))	OSHA PEL	ACHIH TLV	OTHER LIMITS	PERCENT OPTIONAL
ISOPROPANOL CAS #68-63-0	N/A	400 ppm	N/A	0.5

**SECTION III. PHYSICAL DATA**

Boiling Point	210 Degrees F
Vapor Pressure (mm Hg)	N/A
Vapor Density (AIR = 1)	N/A
Solubility in Water	COMPLETE
Appearance, Color, Odor	Pale yellow liquid; characteristic orange odor
Specific Gravity (H <sub>2</sub> O = 1)	0.95
Freezing Point	N/A
Evaporation Rate	N/A
Volatile Organic Compounds	0.2 lbs/gal
Viscosity	50 cps
pH	8.5 to 8.8

**SECTION IV. FIRE AND EXPLOSIVE DATA**

Flash Point	Approximately 200F o.c.
Flammable Limits	Not established
Extinguishing Media	Foam or water
Special Fire Fighting Procedures	None reported
Unusual Fire and Explosive Hazards	None

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**SECTION V. REACTIVITY DATA**

<b>Stability</b>	Stable
<b>Incompatibility (Material to avoid)</b>	Strong oxidizers
<b>Hazardous Decomposition</b>	CO AND CO2 products
<b>Hazardous Polymerization</b>	Will Not Occur

**SECTION VI. HEALTH HAZARD DATA**

<b>Route of Entry</b>	
Inhalation	No
Skin	No
Ingestion	No
<b>Health Hazards (Acute and Chronic)</b>	Possible diarrhea, if ingested. May irritate eyes
<b>Carcinogenicity</b>	
NTP	No
ARC Monographs	No
OSHA Regulated	No
<b>Sign and Symptoms of Exposure</b>	Mild skin irritation, slight redness to skin, tearing of eyes. May cause indigestion
<b>Medical Conditions Generally Aggravated by Exposure</b>	Dermatitis
<b>Emergency/First Aid Procedures</b>	
Eyes	Flush with large amounts of water for at least 15 minutes and see physician, if irritation persists
Ingestion	Call physician or Poison Control Center. Give several glasses of water. NEVER give anything by mouth to an unconscious person

**SECTION VII. SPILL OR LEAK PROCEDURES**

<b>Spill Response:</b>	Absorb with earth, sand or similar material and dispose of with solid waste in compliance with local, county, state and federal regulations. Flush spill area with water.
<b>Product Disposal:</b>	Incinerate in compliance with local, county, state and federal regulations. Avoid land filling of liquids.

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**SECTION VIII. CONTROL MEASURES**  
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Precautionary measures are needed. Any normal ventilation is adequate. Protective equipment: chemical goggles or safety glasses for eye protection; impervious gloves and impervious clothing. Wash contaminated clothing before wearing.

Avoid contact with eyes and skin. Store away from direct sunlight and away from extremes of heat and cold. Do not use welding or cutting torches on containers, empty or full.

As with any chemical, keep out of the reach of children.

This product is for industrial use only.

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This MSDS is in compliance with the OSHA Hazard Communication Regulation. All the information contained on this MSDS is the latest as the date shown and is offered to the user as a guideline to safety under normal conditions. Follow instructions on the label. Any use or method application not in conformance with this MSDS and product label directions is the total responsibility of the user.