

# *LIQUID PENETRANT 40*

LIQUID PENETRANT 40 is a special blend of synthetic lubricants formulated to provide the safest, least toxic cleaning and grease removing solvent for general use. It is formulated in strict accordance with U.S. military specifications MIL-S-18718.

- Rapid drying, leaves no film, leaves cleaned surfaces bone dry. It has high stability, will not deteriorate nor suffer any marked compositional change in normal storage.

## PRODUCT BENEFITS

**\* NON-TOXIC \* DEMOISTURIZES \* INERT LUBRICANT \* LUBRICATES  
\* PROTECTS METALS \* RUST PROTECTION \* STOPS SQUEAKS \***

Will not pit, or corrode, or damage any of the metal commonly used in electrical, electronic or mechanical equipment, such as iron, steel, copper, brass, cadmium, Babbitt, sintered bearings, silver solder, zinc, silver or magnesium, or fine machined parts.

LIQUID PENETRANT 40 will not compromise or reduce the electrical insulating value of glyptal, varnish, phenolic varnish, mica, rubber, cambric, electrical sealing compounds or plastic resins. Removes tar, asphalt, oils, waxes, lubricants, inks, grime, heavy soils, eliminated down time, equipment can be cleaned while in use.

- PENETRATES – Loosens rusted, frozen parts.
- DEMOISTURIZES –Displaces moisture, protects metal 100% active ingredients, stays intact.
- RUST PROTECTION – Loosen rusted parts. Frees Sticky mechanisms, deices locks.
- It lubricates and penetrates, migrates to hard to reach areas, providing tough, long-lasting lubricating film. Contains no silicone, low odour.

## USES

Stops squeaks, excellent for locks, boats, chains, tool protection, aluminum windows, overhead doors, bicycles, motorcycles, hinges, farm equipment, cars, fishing equipment, lawn mowers, thread protection, etc.

## DIRECTIONS

Shake well before using, spray area thoroughly. Do not wipe off for best results.

# TECHNICAL DATA SHEET

## ENVIROSAFE CHEMICALS CANADA MATERIAL SAFETY DATA SHEET

### SECTION 1-PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: LIQUID PENETRANT 40 Aerosol PRODUCT IDENTIFICATION NUMBER (PIN) PEN40  
PRODUCT USE: Synthetic Lubricating and Penetrating Oil  
MANUFACTURER'S NAME: ENVIROSAFE CHEMICALS CANADA  
ADDRESS: PO Box 1792 – 10011 Thatcher Avenue  
CITY: North Battleford PROVINCE: SK POSTAL CODE: S9A 3W8 TEL: 306-446-0505

### SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC OF INGREDIENT (SPECIFY SPECIES)	TLV(ACGIH)
Mineral Spirits	50-60	6471-100-7	Oral (Rat)7800mg/kg	Rabbit>4000mg/kg	Not available
Petroleum Sulphonate	10-20	Non controlled	Oral (rat).5g/kg	Not available	Not available
Synthetic EP oil	10-20	Non controlled	Oral (Rat)4.68mg/kg	Oral (Rat)5.0mg/kg	10mg/M3(oil Mist)
Carbon Dioxide	10-20	125-38-9	None	None	None

### SECTION 3-PHYSICAL DATA

PHYSICAL STATE: Spray aerosol green hydrocarbon odour  
VAPOUR PRESSURE: (mm Hg)(1.9mm of hg @20°C)  
BOILING POINT (°C)°F 171°C (339.8°F)  
SPECIFIC GRAVITY: Not available

ODOUR AND APPEARANCE: Brownish  
Not available

ODOUR THRESHOLD (PPM):

VAPOUR DENSITY: 5.3 (Air=1)

EVAPORATION RATE:<0.1 (AIR=1)

FREEZING POINT(°):Not available

pH: Not available

COEFF. WATER/OIL DIST.: Not available

### SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: flammable  
IF YES UNDER WHICH CONDITION? Not available

MEANS OF EXTINCTION: Disperse in water dry chemicals, foam or water spray  
FLASHPOINT (°C) AND METHOD: °F Closecup:43°C (109.4°F)use

UPPER FLAMMABLE LIMIT (% BY VOLUME): 6%  
LOWER FLAMMABLE LIMIT (% BY VOLUME): °C 1%

AUTOIGNITION TEMPERATURE (°C): Not available  
HAZARDOUS COMBUSTION PRODUCTS:  
Hydrocarbon fumes and smoke. Carbon monoxide  
Where combustion is complete

EXPLOSION DATA SENSITIVITY TO IMPACT: Not available  
SENSITIVITY TO STATIC DISCHARGE:  
Not available

### SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Stable  
IF NO UNDER WHICH CONDITION?

INCOMPATIBILITY WITH OTHER SUBSTANCES: oxidizing agents, avoid strong acids.

REACTIVITY, AND UNDER WHAT CONDITIONS: Do not subject aerosol can to impact, can may explode if Heated.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, hydrocarbon, fumes, carbon monoxide and Carbon dioxide is produced on combustion.

(CEPA) components of this product are either on the domestic substance list (DSL) or exempt. (TSCA) all ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory list.

# TECHNICAL DATA SHEET

**ENVIROSAFE CHEMICALS CANADA**

**pg2**

**PRODUCT IDENTIFICATION: LIQUID PENETRANT 40 AEROSOL**

## SECTION 6-TOXICOLOGICAL PROPERTIES

**ROUTE OF ENTRY:**

**SKIN CONTACT:** x **SKIN ABSORPTION:** **EYE CONTACT:**X **INHALATION:**X **INGESTION:**X

**EFFECTS OF ACUTE EXPOSURE TO PRODUCT:** Irritation to skin, eyes may be aggravated by over exposure.

**EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:** Prolonged and repeated contact with skin can cause drying of skin resulting in irritation.

**EXPOSURE LIMITS:** Not available **IRRITIANCY OF PRODUCT:** Eye contact, ingestion, and irritation

**SENSITIZATION OF PRODUCT:** Not available

**CARCINOGENICITY:** This material is not considered to be a carcinogen by the National Toxicology program

**TERATOGENICITY:** No data available

**REPRODUCTIVE TOXICITY:** No data available

**MUTAGENICITY:** No effects are anticipated

**SYNERGISTIC PRODUCTS:** None known

## SECTION 7-PREVENTIVE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Not normally required

**GLOVES:** PVA or latex rubber **RESPIRATOR:** Dust mask if misty **EYE:** Chemical splash goggles with extended use.

**FOOTWEAR:** Rubber boots

**CLOTHING:** As normal

**OTHER:** As normal

**ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS):** General ventilation normally adequate.

**LEAK AND SPILL PRODUCE:** Small spills wipe up material with paper rags or diatomaceous earth, absorb Large spills using inert material (floor dry). Dispose of in closed metal waste container

**WASTE DISPOSAL:** Review Federal, Provincial and Local government requirements prior to disposal.

**HANDLING PROCEDURES AND EQUIPMENT:** Keep away from heat sources, sparks, flames etc. Do not place in hot water; aerosol may explode with high heat.

**STORAGE REQUIREMENTS:** Store away from incompatible material, keep in cool dry area away from any Heat source.

**SPECIAL SHIPPING INFORMATION:** Not regulated under the transportation of dangerous goods act. Label As“ Consumer Commodity.”

## SECTION 8-FIRST AID MEASURES

**EYE:** Immediately flush with plenty of water for 15 min and contact physician.

**SKIN:** Wash with soap and water if irritation persists calls a doctor.

**INHALATION:** Remove to fresh air; if irritation persists call a physician.

**INGESTION:** Do not induce vomiting, contact a doctor immediately, never give anything by mouth if victim is unconscious, if conscious give plenty of water call a doctor.

## SECTION 9-PREPARATION DATE OF MSDS

**PREPARED BY:** ENVIROSAFE TECHNICAL DEPT. **PHONE NUMBER:** 306-446-0505

WHILE THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE LISTED, ENVIROSAFE CHEMICALS CANADA MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE HEREON.