



Product # 5612

## Technical Data Report

# LIBERATE

## PTFE & MOLY PENETRANT



### DESCRIPTION

**LIBERATE** is a scientifically formulated penetrating oil and rust dissolver containing micron size particles of PTFE and Moly. This super penetrant carries the PTFE and molybdenum disulfide particles into the threads, crevices, etc. These particles act as millions of tiny ball bearings to prevent seizing and galling while the parts are being removed.

### APPLICATIONS

Used on all dismantling jobs throughout the plant, shop or wherever parts are frozen or hard to operate. Quickly loosens corroded nuts, studs, bolts, flanges and pipe joints.

### FEATURES & BENEFITS

- Contains PTFE and Moly for high pressure performance and decreased metal wear
- Clinging formula for improved lubricity and coverage
- Does not contain silicone or chlorinated solvents

### SPECIFICATIONS

**FORM:** Solvent Based Aerosol  
**ODOR:** Petroleum Solvent Odor  
**COLOR:** Brown to Amber  
**TOXICITY:** 400 ppm OSHA TLV  
**WETTING ABILITY:** Saturates  
**STORAGE STABILITY:** 1 Year +  
**COLD STABILITY:** 0°F  
**PHOSPHATES:** None

**FLASH POINT:** 110°F  
**FLAME EXTENSION:** 18"  
**SOLUBILITY IN WATER:** 0.00%  
**SPECIFIC GRAVITY:** 0.825  
**VOC:** 12%  
**PROPELLANT:** Hydrocarbon  
**EVAPORATION RATE:** Slow  
**BIODEGRADABILITY:** No

### LABEL INFORMATION

#### LIBERATE PTFE & MOLY LUBRICANT

Scientifically formulated penetrating oil and rust dissolver containing micron size particles of PTFE and Moly. This super penetrant carries the PTFE and molybdenum disulfide particles into the threads, crevices, etc. These particles act as millions of tiny ball bearings to prevent seizing and galling while the parts are being removed. This product is designed to be used on all dismantling jobs throughout the plant, shop or wherever parts are frozen or hard to operate. Quickly loosens corroded nuts, studs, bolts, flanges and pipe joints. Does not contain silicone or chlorinated solvents.

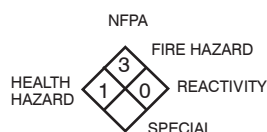
**DIRECTIONS:** Shake well. Remove protective cap and point spray opening in desired direction. Holding container 6-12 inches from surface to be treated, spray product liberally, saturating joints. Allow to set 5-10 minutes and break out. For extremely difficult jobs, saturate joints and allow to set 5-10 minutes, then tap lightly with a hammer and break out.

**DANGER:** Extremely Flammable Aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Wash hands thoroughly after handling. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Dispose of contents and container in accordance with local, state, and national regulations.

**CONTAINS (CAS#):** Distillates (petroleum), hydrotreated light (64742-47-8), Mineral Seal Oil (64741-44-2), Propane (74-98-6), Ethyl Acetate (141-78-6), Mineral Spirits (8052-41-3).

 **WARNING:** Cancer and Reproductive Harm –[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

HEALTH	1
FLAMMABILITY	3
REACTIVITY	0
PERSONAL	A



### PACKAGING INFORMATION

5612: 12 – 16 oz. cans per case, 11 oz. net weight