



Polytron Penetrating Lubricant

Product Description:

POLYTRON Penetrating Lubricant contains POLYTRON MTC and is scientifically blended to be the most effective whenever rust corrosion or drag is a factor.

Feature:

POLYTRON PL not only penetrates through extreme rust and corrosion, it also treats the metal surface to reduce friction and wear. Use of this product provides for long lasting, smooth operation of any metal mechanism. The number of applications and benefit range far exceeds those of any other known product (POLYTRON PL is 20 times more effective than WD-40). It can be used for simplest home needs to the most severe industrial application. POLYTRON PL is highly recommended for general machine shop work like drilling and tapping. Among other features:

- Fast penetration
- Breaks down rust and corrosion
- Speeds up drilling and tapping
- Cutting edges of cutting tools stay sharp longer
- When used as lubricant, reduces power consumption
- Reduces noise

Typical Uses:

- Sliding doors and windows
- Hinges and locks
- Valves and Chains
- Bolts and screws
- Screw jacks
- Bicycles and motorcycles
- Electric terminals
- Drill bits and taps
- Electric and air tools
- Hunting and fishing equipment

Typical Inspections:

ASTM Test		
Specific Gravity, 60 /16	D-287	0.893
Flash Point, °F / °C	D-92	167/ 75
Pour Point, °F / °C	D-97	-34 / -30
TBN	D-2896	5.7
Copper Strip Corrosion	D-4048	1A
Dielectric Strength KV		31

Material Safety Data Sheet (MSDS)**Trade name:** Polytron Penetrating Lubricant.

Printing date: January 30, 2018

Identification of substance**Product details****Product Description:** Polytron Penetrating Lubricant Industrial Grade**Application of the substance:** Lubricant in spray can.**Manufacturer / Supplier:**

Eptech Corporation, USA

Informing department: Laboratory**Emergency information:****E-mail:** agranimicrolubes@gmail.com , tech@polytronofficial.com**Composition / Data on components****Chemical characterization****Description:** Oily fluid mixture of petroleum based chemicals in pressurized spray can.**Dangerous components:**

CAS-No.	Designation	%	Index R-phrases
67-63-0 EINECS: 200-661-7 Propan-2-ol		10 - 20%	
8042-47-5 EINECS: 232-455-8 White mineral oil (petroleum)		20 - 25%	
61788-90-7 EINECS: 263-016-9 Amines, coco alkyldimethyl, N-oxides		15 - 25%	
64-17-5 EINECS: 200-578-6 ethanol		25 - 35%	
Aliphatic Petroleum Distillates Mixture of (647-42547 & 647-42558) The mixture contains DMSO < 3%		2.5 - 5%	
9003-29-6 EINECS: 500-004-7 Butane, homopolymer (products derived from either/or But-1-ene/But-2-ene)		1.5 - 4%	

Hydro treated Distillate, Heavy Paraffin 647-42547

(The petroleum base oils contained in this product have been highly refined by a variety of processes including severe hydro cracking/hydro processing to reduce aromatics and improve performance characteristics. The entire oils meet the IP-346 criteria of less than 3 percent PAH's and are not considered carcinogens by NTP, IARC, or OSHA.)

Hydro treated Distillate, Light Paraffin 647-42558

(The petroleum base oils contained in this product have been highly refined by a variety of processes including severe hydro cracking/hydro processing to reduce aromatics and improve performance characteristics. All of the oils meet the IP-346 criteria of less than 3 percent PAH's and are not considered carcinogens by NTP, IARC, or OSH)

Hazards identification

Hazard designation: Xi Irritant

Information pertaining to particular dangers for man and environment:

R22 Harmful if swallowed

R36 Irritating to eyes

R38 Irritating to skin

Classification system:

The classification is in line with current EC lists.

Refer to no. 11 and 12

First aid measures

After Inhalation:

Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists, get medical attention.

After skin contact:

Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops.

Launder contaminated clothing.

After eye contact:

Rinse eyes for at least 15 minutes under running water with eyelids held open. Get medical attention if eye irritation develops or persists.

After Ingestion:

DO NOT INDUCE VOMITING. Rinse out mouth and then drink plenty of water. Seek immediate medical attention.

Fire fighting measures

Flash Point (closed cup): 85 °C

Highly Combustible, May release flammable vapors when heated above flash point.

Extinguishing Media:

Carbon Dioxide, dry chemical, or foam. Avoid using water.

Protective equipment:

Refer to sections 8 and 16

General Advice:

Use water only for cooling container. Water may cause splattering, or transport the flame.

Accidental release measures

Personnel-related safety precautions:

Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see PPE section 8 & 16.

Remove sources of ignition.

Measures for environmental protection:

Prevent entry into sewers and waterways.

Measures for cleaning/collecting:

Contain release, pick up free liquid for recycling or disposal. Residual liquid can be absorbed with inert material.

Additional information:

No dangerous materials are released.

Handling and storage

Handling:

Avoid prolonged skin contact, breathing vapors, and contaminated clothing. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling. Empty containers retain material residue. Do not cut, weld, braze, solder or expose containers to other ignition sources.

Storage:

Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.

Exposure controls and personal protection

Components with critical values that require monitoring at the workplace:

CAS-No.	Designation of material	Value	Unit
8042-47-5		TLV (US) 5	mg/m ³
EINECS: 232-455-			

Additional information:

Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists (if present).

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures should be adhered to in handling the chemicals.

Respiratory Protection:

Use approved respirator with organic vapor/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.

Gloves:

Nitrile or neoprene gloves are recommended.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Wear safety glasses, goggles or face shield when working above eye level if there is danger of splashing.

Clothing:

Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

Physical and chemical properties:

Form: Liquid

Colour: Yellowish clear

Smell: Distinctive odor

Specific Gravity: 0.77

pH-value (T=23 °C) Not determined

Melting point ; Not determined

Boiling point/ Boiling range: > 76 °C

Flash point (open cup): > 65 °C

Self-inflammability: Not determined

Vapor density (T=20°C) Slightly heavier than air

Vapor pressure (T=20°C) <4 mmHg

Water solubility (T=20°C) poor

Evaporation Point: Higher than ether

Stability and reactivity

Stability:

Material is normally stable at ambient temperature and pressure.

Conditions to be avoided:

Do not store with strong oxidizing agents. Keep away from heat, sparks, open flame, or all sources of ignition.

Dangerous reactions:

Will not occur.

Dangerous products of decomposition:

Carbon dioxide, carbon monoxide, hydrocarbons.

Toxicological information

Primary irritant effect:

On the skin:

Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.

On the eye:

Not expected to cause eye irritation. Prolonged or repetitive contact may cause irritation.

Sensitization:

No sensitizing effect known.

Oral Toxicity:

Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, and diarrhea.

Carcinogenicity:

None.

Ecological information

General notes:

Low concentrations of this product are not known to have adverse on marine and plant life, although large spills in water or soil are expected to have adverse effects on marine and plant life.

Disposal considerations Recommendation:

Disposal must be made according to official regulations.

Unclean packaging:

Disposal must be made according to official regulations.



Transport information

Not classified as dangerous goods as per above regulations.

Regulatory information

Designation according to EC-guidelines:

This substance is not listed in the Annex I of Regulation (EC) No 689/2008.

EU REACH: Annex XVII

Not applicable

Hazard-determining components for labeling:

ELINCS: None

R-phrases:

None

S-phrases:

- S 24 When handling, avoid contact with skin and eyes
- S 25 In case of massive contact with eyes rinse immediately with plenty of water and seek medical advice.
- S 37/39 When risk of splash, wear suitable gloves and wear safety glasses.

National regulations:

None.

Other information

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For further information, see also the catalogue of this product.