



SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: TP-25PAL Penetrating Lubricant

Product Description: Aerosol Lubricant

Intended Use: Industrial lubrication, anti-rust

COMPANY IDENTIFICATION

Supplier: Tom-Pac Inc

3571 Ashby

Saint Laurent, QC

H4R 2K3

Product Information & Contact (514) 332-4763

SECTION 2 HAZARDS IDENTIFICATION

Classification

Flammable liquids: category 2

Eye irritation: Category 2A

Aspiration toxicant: Category 1

Gases under pressure

LABEL ELEMENTS

Pictogram:



Signal word : Danger

Hazard statements :

H205: May mass explode in fire

H222: Extremely flammable aerosol

H229: Pressurized container: may burst

H304: May be fatal if swallowed and enters airways.

H319: Causes serious eye irritation

H371: May cause damage to organs

Precautionary statements

Prevention :

P210 - Keep away from flames and hot surfaces. No smoking.

P280 - Wear protective gloves, protective clothing and eye or face protection.

Response : P301 + P331, P310 - IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

P370 + P378 - In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish.

Storage :

P403 + P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazard information:

HAZARD NOT OTHERWISE CLASSIFIED (HNOC): None known

ENVIRONMENTAL HAZARDS: No significant hazards

NFPA Hazard ID: Health: 2 Flammability: 3 Reactivity: 0

HMIS Hazard ID: Health: 2 Flammability: 3 Reactivity: 0

NOTE: This material should not be used for any other purpose than the intended use in Section 1.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

| Name | CAS# | % by Weight |
|-------------------------|------------|-------------|
| Poly Alpha Olefin | 68037014 | 30 |
| Distillates (petroleum) | 64742-47-8 | 46 |
| Ethanol | 64-17-5 | 13 |
| Methanol | 67-56-1 | 2 |
| Pentane | 109660 | 5 |
| Carbon dioxide | 124389 | 4 |

SECTION 4 FIRST AID MEASURES

INHALATION

Allow victim to rest in well ventilated area. Administer oxygen if victim has trouble breathing, seek medical attention.

SKIN CONTACT: Wash contact area thoroughly with soap and water. Get medical attention if irritation or rash occurs. Launder clothing before re-use.

EYE CONTACT: Flush thoroughly with water. If irritation occurs, get medical assistance.

INGESTION: Do not induce vomiting. Seek immediate medical attention. May be fatal if swallowed

MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE AND DELAYED: May cause eye and skin irritation. May cause an allergic skin reaction. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, nausea and vomiting. Harmful or fatal if swallowed. Aspiration into the lungs during ingestion or vomiting may cause lung damage.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable Extinguishing Media: Use foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Inappropriate Extinguishing Media: Direct Water streams could spread fire

Fire Fighting Instructions: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel. Remove containers from area if it can be done safely.

Hazardous Combustion Products: Incomplete combustion products, Oxides of carbon, Smoke, Fume, No₂

FLAMMABILITY PROPERTIES

Flash Point [Method]: N/D Highly flammable.

Flammable Limits (Approximate volume % in air): LEL: N/D UEL: N/D

Autoignition Temperature: N/D, highly flammable immediately upon spraying.

SECTION 6 ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Country regulations may require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks.

PROTECTIVE MEASURES

Avoid contact with spilled material. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

SPILL MANAGEMENT

Land Spill: Unlikely due to aerosol packaging. Do not allow to enter sewers or waterways, ground water. Clean with mild solvent, absorb with an inert, non-combustible absorbent. Collect into container for disposal according to local regulations for oil products.

Water Spill: Unlikely due to aerosol packaging. Stop source of the leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants. Note: Local regulations may prescribe or limit action to be taken.

ENVIRONMENTAL PRECAUTIONS

Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid breathing vapors, aerosols and mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash exposed skin thoroughly with soap and water after use. Keep product away from heat, sparks, flames and all other sources of ignition. No smoking in storage or use areas. Do not cut, braze, solder, grind or weld on or near containers. Contents under pressure. Do not puncture, crush or incinerate containers, even when empty. Keep out of the reach of children.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in a cool, well-ventilated area at temperatures below 120°F. Do not store in direct sunlight. Store as a Level 3 aerosol.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits/standards for materials that can be formed when handling this product: During exposure to high heat conditions, evaporation can occur. Limit air concentrations to the recommended amount: 5 mg/m³ - ACGIH TLV (inhalable fraction), 5 mg/m³ - OSHA PEL.

NOTE: Limits/standards shown for guidance only. Follow applicable regulations. No biological limits allocated.

| CAS-No. | Components | Value type (Form of exposure) | Control parameters / Permissible concentration |
|---------|------------|-------------------------------|--|
| 64-17-5 | Ethanol | TWA | 1,000 ppm 1,880 mg/m ³ |
| | | STEL | 1,000 ppm |
| | | | 1,880 mg/m ³ |

| | | | |
|------------|---|----------|----------------------|
| | | PEL | 1,000 ppm |
| | | | 1,880 mg/m3 |
| 67-56-1 | Methanol | TWA | 200 ppm 260 mg/m3 |
| | | STEL | 250 ppm 328 mg/m3 |
| | | PEL | 200 ppm |
| | | | 260 mg/m3 |
| 64742-47-8 | Hydrotreated light petroleum distillate | TWA | 5 mg/m3 (oil mist) |
| | | STEL | 10 mg/m3 (oil mist) |
| | | PEL | 5 mg/m3 (oil mist) |
| 109660 | n-pentane | TWA | 1,000 ppm |
| | | OSHA REL | 120 ppm |

ENGINEERING CONTROLS

No special requirements are noted. Proper workplace airflow and access to fresh air should be considered when using oil products in enclosed environments.

PERSONAL PROTECTION

Gloves should be worn to limit skin contact.

Eye Wear Recommend to avoid accidental spray discharge into the eyes.

Respiratory protection Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Protective clothing Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

GENERAL INFORMATION

Physical State: liquid

Odor: petroleum with mint scent

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Relative Density (at 15 °C): N/D Flammability (Solid, Gas): N/A Flash Point [Method]: 13.88 C/57 F(ethanol component) Flammable Limits (Approximate volume % in air): LEL: N/D UEL: N/D

Autoignition Temperature: N/D Boiling Point / Range: N/D Decomposition Temperature: N/D

Vapor Density (Air = 1): N/D Vapor Pressure: N/D

Evaporation Rate (n-butyl acetate = 1): N/D pH: N/A Log Pow (n-Octanol/Water Partition Coefficient): N/D

Solubility in Water: Negligible Viscosity: N/A Oxidizing Properties: See Hazards Identification Section.

OTHER INFORMATION

Freezing Point: N/D

Melting Point: N/D

Pour Point: N/A

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY: See sub-sections below.

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Heat. Sources of ignition.

MATERIALS TO AVOID: Acids, Alkali metals, aluminum, Ammonia, Bases, lithium, aluminum hydride
Nitrates, Oxidizing agents, Reducing agents, Peroxides

HAZARDOUS DECOMPOSITION PRODUCTS: No data.

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

67-56-1:

| | | |
|---------------------------|---|--|
| Acute oral toxicity | : | Assessment: The component/mixture is toxic after single in-gestion. |
| Acute inhalation toxicity | : | Assessment: The component/mixture is toxic after short term inhalation. Remarks: Supporting toxicological evidence is limited for this classification. This harmonized classification will replace the indicated classification due to industry leaders and the EU Harmonized Classification (Annex VII). |
| Acute dermal toxicity | : | Assessment: The component/mixture is toxic after single con-tact with skin. |

Species: Rabbit
Result: Irritating to eyes.

109660:

Acute oral toxicity n-Pentane : LD50: > 2,000 mg/kg Species: rat

Acute inhalation toxicity n-Pentane : LC50: > 18 mg/l Exposure time: 4 h Species: rat Test atmosphere: dust/mist

Acute dermal toxicity n-Pentane : LD50: unknown

n-Pentane Skin irritation : Non persistent irritation.

n-Pentane Eye irritation : Non persistent irritation.

Sensitization n-Pentane : Did not cause sensitization on laboratory animals.

Repeated dose toxicity n-Pentane : Species: rat Application Route: Inhalation Dose: 0, 3000 ppm Exposure time: 16 wk
Number of exposures: 12 h/d, 7 d/wk NOEL: 3,000 ppm Species: rat Application Route: Inhalation Dose: 0, 1000, 3000, 10000 ppm Exposure time: 2 wk Number of exposures: 6 h/d, 5 d/wk NOEL: 1,000 ppm

Reproductive toxicity n-Pentane : Species: rat Sex: male Application Route: Inhalation Dose: 0, 5, 10, 20 mg/l Exposure time: 13 wk Test period: 6hrs/day, 5 days/wk NOAEL Parent: 20 mg/l no abnormalities observed Species: rat Sex: female
Application Route: Inhalation Dose: 0, 5, 10, 20 mg/l Exposure time: 13 wk Test period: 6hrs/day, 5days/wk NOAEL Parent: 20 mg/l no abnormalities observed

Developmental Toxicity n-Pentane : Species: rat Application Route: Inhalation Dose: 0, 1000, 3000, 10000 ppm Number of exposures: 6 h/d Test period: GD 6-15 NOAEL Teratogenicity: 10,000 ppm

n-Pentane Aspiration toxicity : May be fatal if swallowed and enters airways. Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard.

n-Pentane Further information : Concentrations substantially above the TLV value may cause narcotic effects. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Solvents may degrease the skin.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential
No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal must be in accordance with current applicable laws and regulations. Check local regulations for disposal or lubricants / oil products.

DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

REGULATORY DISPOSAL INFORMATION

Check local regulations for disposal of synthetic oil products and lubricants

Empty Container Warning Empty containers may be combustible. Do not weld, cut or expose to sources of ignition

SECTION 14 TRANSPORT INFORMATION

LAND (DOT): Not Regulated for Land Transport

LAND (TDG): Not Regulated for Land Transport

SEA (IMDG): Not Regulated for Sea Transport

Marine Pollutant: Yes (Pentane, petroleum distillates)

AIR (IATA): Pressurized containers require special handling for air travel.

SECTION 15 REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

Listed or exempt from listing/notification on the following chemical inventories: AICS, DSL, ENCS, IECSC, KECI, PICCS, TSCA

WHMIS: Not a WHMIS controlled material

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA (311/312) REPORTABLE GHS HAZARD CLASSES: Aspiration hazard, flammable

SARA (313) TOXIC RELEASE INVENTORY: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

The following ingredients are cited on the lists below:

Pennsylvania Right To Know : n-Pentane - 109-66-0

New Jersey Right To Know : n-Pentane - 109-66-0

SECTION 16 OTHER INFORMATION

MSDS date: Sept 2025

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product in violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material.