

Material Safety Data Sheet

Lock Lubricant

Panef Inc.

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Revision Date: 01/01/09

Section 1: Chemical Product and Company Identification

Product Name: Lock Lubricant

Product Number: Panef LLA-10

Manufacturer: Panef Inc.
5700 West Douglas Ave.
Milwaukee, WI 53218

Emergency Telephone: 800-535-5053

Total Pages: 4

Information Telephone: 414-464-7200

Section 2: Composition / Information on Ingredients

| <u>Hazardous Ingredients</u> | <u>CAS</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>ACGIH STEL</u> | <u>%</u> |
|------------------------------|------------|-----------------|------------------|-------------------|----------|
| Propane/Isobutane/N-Butane | 68476-86-8 | 800 PPM N.E. | 800 PPM | N.E. | >20 |
| Stoddard Solvent | 8052-41-3 | 100 PPM N.E. | 100 PPM | N.E. | >15 |
| Kerosene | 8008-20-6 | 400 PPM N.E. | 400 PPM | N.E. | >15 |

Section 3: Hazards Identification

EMERGENCY OVERVIEW: Vapors irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion.

EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

SKIN CONTACT: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INHALATION: Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Prolonged inhalation may be harmful.

INGESTION: This material may be harmful or fatal if swallowed. Corrosive and may cause severe and permanent damage to mouth, throat and stomach.

CHRONIC HAZARDS: Overexposure may cause nervous system damage. Overexposure may cause lung damage. Overexposure may cause kidney damage.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT, INHALATION, INGESTION, EYE CONTACT

Section 4: First Aid Measures

EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN CONTACT: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

INGESTION: Get medical attention immediately. If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5: Fire Fighting Measures

FLASH POINT: -156 F
(PENSKY-MARTENS C.C.)

LOWER EXPLOSIVE LIMIT: 0.7%
UPPER EXPLOSIVE LIMIT: 9.5%

AUTOIGNITION TEMPERATURE: ND

EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, FOAM, WATER FOG

UNUSUAL FIRE & EXPLOSION HAZARDS: Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

SPECIAL FIRE FIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

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Section 6: Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

Section 7: Handling and Storage

HANDLING: Wash thoroughly after handling.

STORAGE: Keep away from heat, sparks and flame. Keep from freezing

Section 8: Exposure Controls / Personal Protection

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: STANDARD INDUSTRIAL CLOTHING STANDARDS SHOULD BE FOLLOWED.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

Section 9: Physical / Chemical Characteristics

| | | | |
|----------------------------------------|-------------|-------------------|------------------------------|
| BOILING RANGE: | -43 – 522 F | VAPOR DENSITY: | Is heavier than air |
| ODOR: | Solvent | ODOR THRESHOLD: | ND |
| APPEARANCE: | OILY | EVAPORATION RATE: | Is faster than Butyl Acetate |
| SOLUBILITY IN H ₂ O: | Negligible | SPECIFIC GRAVITY: | 0.86 |
| VAPOR PRESSURE: | 80-90 | pH @ 0.0 %: | N/A |
| FREEZE POINT: | 32 | VISCOSITY: | N/A |
| PHYSICAL STATE: | Liquid | | |
| COEFFICIENT OF WATER/OIL DISTRIBUTION: | COMPLETE | | |

Section 10: Stability and Reactivity

CONDITIONS TO AVOID: All sources of ignition, welding arcs, and open flames.

INCOMPATIBILITY: Strong acids, alkalis, oxidizers, and amines.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, oxides of nitrogen, and may produce forms of chloride, chlorine, and phosgene.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

Section 11: Toxicology Information

PRODUCT LD50: 5mg/kg

PRODUCT LC50: 5 PPM

COMPONENT TOXICOLOGICAL INFORMATION:

| -----Chemical Name----- | -----LD50----- | -----LC50----- |
|-----------------------------------------|----------------|--------------------|
| Hydrotreated, Severe, LT. Naphthenic DI | NE | NE |
| Propane/Isobutane/N-Butane | NE | 57 PPH/15M/RAT |
| Stoddard Solvent | >5 GM/KG RAT | >5500 MG/M3/4H RAT |
| Kerosene | >5 GM/KG RAT | >5 GM/M3/4H RAT |
| 1,2,4 – Trimethylbenzene | 5 GM/KG RAT | 18 GM/M3/4H RAT |

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Section 11: Toxicology Information

| | | |
|--------------------------|-----------------|-----------------|
| Graphite | NE | NE |
| 1,3,5 – Trimethylbenzene | NE | 24 GM/M3/4H RAT |
| Dimethylbenzene | 4300 MG/M3 RAT | 5000 PPM/4H RAT |
| Ethylbenzene | 3500 MG/KG//RAT | NE |
| Graphite | NE | NE |
| Toluene | 636 MG/KG/RAT | 49 GM/M3/4H/RAT |

Section 12: Ecological Information

ECOLOGICAL INFORMATION: No information

Section 13: Disposal Considerations

WASTE DISPOSAL: Dispose in accordance with all federal, state, and local regulations.

Section 14: Transportation Information

DOT PROPER SHIPPING NAME: AEROSOL – CONSUMER COMMODITY

DOT TECHNICAL NAME: ORM-D

DOT HAZARD CLASS: 2.1

HAZARD SUBCLASS: N/A

DOT UN/NA NUMBER: UN1950

PACKING GROUP: N/A

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Section 15: Regulatory Information

U.S. FEDERAL REGULATIONS: AS FOLLOWS –

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA – SARA HAZARD CATEGORY: This product has been reviewed according to the EPA ‘Hazard Categories’ promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD PRESSURIZED GAS HAZARD

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

-----CHEMICAL NAME----- CAS NUMBER WT/WT % IS LESS THAN
No SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

-----CHEMICAL NAME----- CAS NUMBER
KEROSENE 8008-20-6

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Section 15: Regulatory Information

U.S. STATE REGULATIONS: AS FOLLOWS –

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

| -----CHEMICAL NAME----- | CAS NUMBER |
|--------------------------------------------|------------|
| HYDROTREATED, SEVERE, LT. NAPHTHENIC DIST. | 64742-53-6 |

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

| -----CHEMICAL NAME----- | CAS NUMBER |
|--------------------------------------------|------------|
| HYDROTREATED, SEVERE, LT. NAPHTHENIC DIST. | 64742-53-6 |

Canadian WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

Canadian EHMIS Class: No information available

Section 16: Other Information

Disclaimer: The information contained herein is based on data available. However, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from use thereof. Because the information contained herein may be applied under conditions beyond our control, we assume no responsibility for its use.