

**MATERIAL SAFETY DATA SHEET
AEROSOL GARAGE DOOR GREASE
Panef Inc.**

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Revision Date: 01/01/09

Section 1: Chemical Product and Company Identification

Product Name: Garage Door Lubricant **Product Number:** Panef GDA - 6

Manufacturer: Panef Inc.
5700 West Douglas Ave. **Emergency Telephone:** 800-535-5053
Milwaukee, WI 53218

Total Pages: 4 **Information Telephone:** 414-464-7200

Section 2: Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>	<u>%</u>
N-Hexane	110-54-3				40.0%
Mineral Oil Hydrotreated (severe)	64742-52-5				35.0%
Propane/Isobutane/N-Butane	68476-86-8				30.0%

-----EXPOSURE LIMITS -----

ACGIH		OSHA		COMPANY	
TLV – TWA	TLV – STEL	PEL – TWA	PEL – CEILING	TLV –TWA	SKIN
50 PPM	N.E.	50 PPM	500 PPM	N.E.	YES
5MG/M3 Skin	10MG/M3	5MG/M3	N.E.	N.E.	YES
800 PPM	N.E.	800 PPM	N.E.	N.E.	YES

(See Section 16 for abbreviation legend)

Section 3: Hazards Identification

Route (s) of Entry: **Inhalation** **Skin** **Ingestion** **Eye**
Yes Yes Yes Yes

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 irritating 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, lunge damage and kidney damage.

Section 4: First Aid Measures

Eyes: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
Skin: Immediately flush skin with plenty water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.
Ingestion: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Inhalation: 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.

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Section 5: Fire Fighting Measures

Flash Point: (method) 156°F

Flammable Limits: LEV:
1.0 %

UEL:
9.5 %

Autoignition Temperature: ND

Extinguishing Media: Alcohol Foam CO2 Dry Chemical Foam Water Fog

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.

Unusual Fire and 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.

Section 6: Accidental Release Measures

Spill / Leak Procedures: 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 TLV's 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 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 Point: - 43 - 159°F

Odor: Solvent

Appearance: Red Viscous

Water Solubility: Negligible

Freeze Point: 32

Vapor Pressure: 80-90

Physical State: Liquid

Coefficient of Water/Oil Distribution: Complete

(See Section 16 for abbreviation legend)

Vapor Density: Is heavier than air

Odor Threshold: ND

Evaporation Rate: Is faster than Butyl Acetate

Specific Gravity: 0.2488

pH @ 0.0 %: NA

Viscosity: ND

Section 10: Stability and Reactivity

Conditions to Avoid: All sources of ignition, welding areas and open flames.

Incompatibility (materials to avoid): 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: Material is stable under normal storage conditions.

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Section 15: Regulatory Information

U.S. STATE REGULATIONS

New Jersey Right-To-Know: The following materials are non-hazardous, but are among the top five components in this product:

Aluminum Isopropoxide	555-31-7
Petroleum Lubricating Grease	Mixture

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

Aluminum Isopropoxide	555-31-7
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California Proposition 65: Warning: The Chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

Toluene	108-88-3
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INTRNATIONAL REGULATIONS

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

Canadian WHMIS Class: No information available.

Section 16: Other Information

HMIS Ratings Health: Flammability: Reactivity:

Volatile Organic Compounds (VOCS): 3.69 lbs/gal, 442 grams/ltr

Legend: N.A. – Not Applicable, N.E. – Not Established, N.D. – Not Determined

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