

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: BOESHIELD T-9® LIQUID

MANUFACTURER/SUPPLIER:

PMS Products, Inc.
76 Veterans Dr., Ste # 110
Holland, MI 49423
800-962-1732

EMERGENCY CONTACT: CHEMTREC (#209961)
PHONE : 800-424-6300 (US/Canada)
PHONE : +01 703-527-3887 (International)

Product Use: Multi-purpose lubricant

2. HAZARDS IDENTIFICATION

CLASSIFICATION

Flammable liquid	3
Skin Corrosion/Irritation	3
Eye Damage/Irritation	2B
Aspiration hazard	1



SIGNAL WORD: Danger

Hazard Statements

Flammable liquid and vapor
May be fatal if swallowed and enters airways
Causes mild skin irritation
Causes eye irritation

Precautionary Statements

Keep away from heat/sparks/open flames/hot surfaces – No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Wash hands thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Do NOT induce vomiting
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
If skin irritation occurs: Get medical advice/attention
If eye irritation persists: Get medical advice/attention

SDS for: T-9 Liquid

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Store locked up

Store in a well ventilated place. Keep cool

Dispose of contents/container to comply with all local, state, and federal regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Percent
PETROLEUM DISTILLATE	64742-47-8	40-50
HYDROTREATED HEAVY PETROLEUM NAPHTHA	64742-48-9	20-30
PETROLEUM OIL	64742-52-5	10-15
PETROLATUM	8009-03-8	1-5
OIL SOLUBLE SODIUM SULFONATE	68608-26-4	1-5
SORBITAN TRISTEARATE	26658-19-5	1-5

4. FIRST AID MEASURES

INHALATION: Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

EYE CONTACT: Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.

INGESTION: If swallowed, do not induce vomiting. Get immediate medical attention.

Most important symptoms/effects, acute and delayed: Repeated exposure may cause skin dryness or cracking.

Indication of immediate medical attention and special treatment needed: None known.

5. FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media: Foam, Alcohol foam, CO₂, Dry chemical, Water fog. Water spray may be ineffective.

Specific hazards arising from the chemical: Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes.

Special equipment and precautions for fire-fighters: Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. Wear goggles and use self-contained breathing apparatus. If water is used, fog nozzles are preferred.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Avoid breathing vapors. Ventilate area. Remove all sources of ignition.

Methods and materials for containment and cleaning up: Clean up with absorbent material and place in closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep closure tight and container upright to prevent leakage. Open container slowly. Do not get in eyes. Avoid skin contact and contact with clothing. Do not take internally.

Conditions for safe storage, including any incompatibilities: Store and use in cool, dry, well-ventilated areas. Keep containers closed when not in use. Keep away from excessive heat or open flame.

8. EXPOSURE CONTROL/PERSONAL PROTECTION			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
PETROLEUM DISTILLATE 64742-47-8	Not established	Not established	
HYDROTREATED HEAVY PETROLEUM NAPHTHA 64742-48-9	Not established	Not established	
PETROLEUM OIL 64742-52-5	PEL: Mist 5 mg/m ³ , 8 hours	TLV: Mist 5 mg/m ³ , 8 hours	
PETROLATUM 8009-03-8	Not established	TLV-TWA: 5 mg/m ³ STEL: 10 mg/m ³ If used in a way that generates a mist.	
OIL SOLUBLE SODIUM SULFONATE 68608-26-4			
SORBITAN TRISTEARATE 26658-19-5	Not established	Not established	

Appropriate engineering controls: Ventilation should be sufficient to prevent inhalation of any vapors. General dilution and/or local exhaust ventilation in volume to keep PEL/TLV of most hazardous ingredient below acceptable limit and IEL below stated limit.

Individual protection measures:

Respiratory protection: None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved air line respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Protective gloves: None under normal use. Use solvent-resistant for prolonged or repeated contact.

Eye protection: None under normal use. However, use of safety glasses with splash guards or full face shield should be used if indicated.

Other protective clothing or equipment: None under normal use. However, use of solvent-resistant aprons or other clothing is recommended. Eye washes and safety showers in the workplace are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

<p>Appearance: Amber liquid</p> <p>Vapor Pressure: Not determined</p> <p>Vapor Density: Heavier than air</p> <p>Density: 0.823378006</p> <p>Freezing point: Not determined</p> <p>Boiling point: N/A</p> <p>Evaporation rate: Slower than ether</p>	<p>Odor: Solvent</p> <p>Odor threshold: Not determined</p> <p>pH: Not applicable</p> <p>Melting point: Not determined</p> <p>Solubility: Not determined</p> <p>Flash point: 54 C (129 F)</p> <p>Flammability: Combustible liquid</p>
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Explosive Limits: Not determined Autoignition temperature: Not determined Viscosity: Not determined	Partition coefficient (n- octanol/water): Not determined Decomposition temperature: Not determined VOC: <25%
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10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable under normal storage and handling conditions.

Possibility of hazardous reactions: None known.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon monoxide and other hazardous fumes.

11. TOXICOLOGICAL INFORMATION

Long-term toxicological studies have not been conducted for this product.

12. ECOLOGICAL INFORMATION

Long-term ecological studies have not been conducted for this product.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of this document for hazard cautionary information.

14. TRANSPORT INFORMATION

By Land: Not regulated

By Water: DOT Proper Shipping Name: UN1993, FLAMMABLE LIQUID, n.o.s., (Petroleum distillates), 3, III

By Air: DOT Proper Shipping Name: UN1993, FLAMMABLE LIQUID, n.o.s., (Petroleum distillates), 3, III

15. REGULATORY INFORMATION

All ingredients are either listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

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