

PMS PRODUCTS  
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# MATERIAL SAFETY DATA SHEET

## Boeshield T-9®

UN #1950 - SUB 3

H M I S Codes: H-1, F-4, R-0, P-0

### Section II – Hazardous Ingredients/SARA III Information

<u>REPORTABLE COMPONENTS</u>	<u>CAS NUMBER</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>VAPOR PRESSURE</u>		<u>WEIGHT</u>
				<u>mmHg @ Temp</u>		<u>Percent</u>
Petroleum Distillate - (odorless Mineral Spirits)	64742-48-9	200 PPM	200 PPM	2	100	34
Petroleum Distillate	64741-44-2	400 PPM	200 PPM	.066	68F	18
White Mineral Oil	8042-47-5	5 MG/M3	5 MG/M3, :Oil Mist	.00003	100	9
Propane	74-98-6	1000 PPM	ASPHYXIAN	6350	68	8
Butane	106-97-8	800 PPM	800 PPM	1640	68	7

\*\*No toxic chemical(s) subject to reporting requirements of section 313 of Title III and 40 CFR 372 are present.\*\*

### Section III – Physical/Chemical Characteristics

**BOILING POINT:** -44 deg F - 611 deg F

**SPECIFIC GRAVITY (H2O=1):** 0.77

**VAPOR DENSITY:** Heavier than Air

**EVAPORATION RATE:** Slower than ether

**SOLUBILITY IN WATER:** NIL

**VOC CONTENT:** 49.6% by weight

**APPEARANCE AND ODOR:** Aerosol Product

### Section IV – Fire and Explosion Hazard Data

**FLASH POINT:** -156 deg F

**METHOD USED:** Estimated

**FLAMMABLE LIMITS IN AIR BY VOLUME - Lower:** .7 **Upper:** 9.8

**EXTINGUISHING MEDIA:** Foam, CO2, Dry Chemical, Water Fog

**SPECIAL FIREFIGHTING PROCEDURES:** Water spray may be ineffective. Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles preferred. Wear goggles and self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

### Section V – Reactivity Data

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Applications to hot surfaces. Storage above 120 DEG. F. Exposure to open flame.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** May produce fumes when heated to decomposition. Fumes may contain carbon monoxide and other toxic fumes.

**HAZARDOUS POLYMERIZATION:** Will not occur.

### Section VI – Health Hazard Data

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Respiratory irritation, headache, nausea, fatigue, drowsiness, impaired co-ordination.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Skin: Contact may dry the skin; prolonged contact may cause moderate irritation.

Eyes: Liquid or vapor can cause moderate to severe irritation.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Not easily absorbed. Solvent action can dry and defeat the skin causing skin to crack, leading to dermatitis.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Not a likely route of exposure. If swallowed, seek immediate medical advice and/or attention.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

Acute: Eye irritant. Possible skin irritant. Chronic: None known.

**CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No**

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.**

**EMERGENCY AND FIRST AID PROCEDURES:** Inhalation: Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

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

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

**Section VII – Precautions for Safe Handling and Use**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store and use in cool, dry, well-ventilated areas.

Vapors may cause flash fire. Keep away from heat, sparks and flame. Do not store above 120 DEG. F. Do not puncture or incinerate (burn) cans. Do not stick pin, nail or any other sharp object into opening on top of can. Do not spray in eyes. See product label for additional information.

**OTHER PRECAUTIONS:** Use with adequate ventilation. To prevent vapor build-up, open doors and window or use an explosion-proof exhaust fan to ensure fresh air exchange during and after use. Do not breathe vapor, gas or spray mist. When using, do not eat, drink or smoke. Avoid contact with eyes, skin and clothing. Wear protective equipment. Wash thoroughly after handling. Remove contaminated clothing and wash it before reuse. Empty containers retain product residues: follow label warnings even after can is emptied. Do not store in basements.

**Section VIII – Control Measures**

**RESPIRATORY PROTECTION:** Avoid breathing vapors. Use with adequate ventilation equal to out of doors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV Limits.

**VENTILATION:** Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit and LEL below stated limit.

**PROTECTIVE GLOVES:** Solvent resistant gloves required for prolonged or repeated contact.

**EYE PROTECTION:** Use of safety glasses with splash guards or full face shield is recommended.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Use of solvent resistant aprons or other clothing is recommended.

**WORK/HYGIENIC PRACTICES:** Eye washes and safety showers in the workplace are recommended.

**Section XI – Disclaimer**

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