

PMS PRODUCTS
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PREPARED: 01/01/06
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MATERIAL SAFETY DATA SHEET

Boeshield T-9[®] - Liquid

UN# 1993

H M I S CODES: H-1, F-2, R-0, P-C

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	40
Petroleum Distillate	64741-44-2	400 PPM	200 PPM	.066	68F	21
White Mineral Oil	8042-47-5	5 MG/M3	5 MG/M3, : Oil Mist	.00003	100	10

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 RANGE: 350 - 611 Deg F
VAPOR DENSITY: Heavier than Air
SOLUBILITY IN WATER: NIL
APPEARANCE AND ODOR: Colorless Liquid; Typical Solvent Odor

SPECIFIC GRAVITY (H20=1): 0.83
EVAPORATION RATE: Slower than ether
VOC CONTENT: 40.6% by weight

Section IV – Fire and Explosion Hazard Data

FLASH POINT: 120 Deg F
METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME - Lower: 0.7
Upper: 9.8

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

SPECIAL FIRE FIGHTING 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: Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Closed containers may explode when exposed to extreme heat. 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: Application to hot surfaces.

INCOMPATIBILITY (MATERIALS TO AVOID): Unknown

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: 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 irritation.

Eyes: Liquid or vapor can irritate.

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

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

HEALTH HAZARDS (ACUTE AND CHRONIC):

Acute: Eye irritant, skin irritant, narcotic in high concentrations.

Chronic: Liver and kidney disease. Skin irritation and dermatitis.

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Acute and chronic liver and kidney disease, anemia.

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. Dike area to contain spill. Clean up area with absorbent material and place in closed container 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 STORING: Store and use in cool, dry, well-ventilated areas. Keep containers closed when not in use. Keep away from excessive heat or open flame. Vapors may ignite explosively. Vapors may spread long distances. Prevent build-up of vapors. Extinguish all pilot lights and turn off heaters, non-explosion proof electrical equipment and ignition sources during use.

OTHER PRECAUTIONS: Keep closure tight and container upright to prevent leakage. Open container slowly. Ground containers when filling or emptying. Do not get in eyes. Avoid skin contact and contact with clothing. Do not weld or flame-cut an empty drum. Do not take internally. Do not transfer contents to unlabelled containers.

Section VIII – Control Measures

RESPIRATORY PROTECTION: 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 ingredients below acceptable limit and LEL below stated limit.

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

EYE PROTECTION: Safety glasses with splash guards or full face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Solvent resistant apron.

WORK/HYGIENIC PRACTICES: Eye washes and safety showers in the work place 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.