

# BOESHIELD® T-9 (AEROSOL)

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

|               |                          |
|---------------|--------------------------|
| Chemical Name | Mixture                  |
| CAS No.       | Mixture                  |
| Trade Name    | BOESHIELD® T-9 (Aerosol) |
| Product Code  | T90004 and T90012        |

**Relevant identified uses of the substance or mixture and uses advised against**

|                      |                         |
|----------------------|-------------------------|
| Identified Use(s)    | Multi-purpose Lubricant |
| Uses Advised Against | None                    |

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| Company Identification | PMS Products Inc<br>76 Veterans Dr., Ste 110<br>Holland, MI 49423 |
|------------------------|-------------------------------------------------------------------|

|           |                |
|-----------|----------------|
| Telephone | (800) 962-1732 |
|-----------|----------------|

**Emergency telephone number**

EMERGENCY CONTACT: CHEMTEL (#MIS496743)  
PHONE : 800-255-3924 (US / Canada)  
PHONE : +01-813-248-0585 (International)

### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)

Flam. Aerosol 1; Skin Irrit. 2; STOT SE 3; Asp. Tox. 1

**Label elements**

Hazard Symbol



**DANGER**

Signal word(s)

Hazard Statement(s)

Extremely flammable aerosol  
Pressurized container; may burst if heated  
Causes skin irritation.  
May cause drowsiness or dizziness.  
May be fatal if swallowed and enters airways.  
Contains gas under pressure; may explode if heated.  
May displace oxygen and cause rapid suffocation  
Wear protective gloves.  
Avoid breathing spray.  
Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.  
IF ON SKIN: Wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention.  
Keep out of reach of children.

Precautionary Statement(s)

**Other hazards**

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredient(s)                                | % wt. * | CAS No.    | Hazard classification                                                                    |
|--------------------------------------------------------|---------|------------|------------------------------------------------------------------------------------------|
| Petroleum distillate                                   | 40-50   | 64742-47-8 | Asp. Tox. 1; H304<br>STOT SE 3; H336<br>Aquatic Acute 2; H401<br>Aquatic Chronic 2; H411 |
| Hydrotreated Heavy Petroleum Naphtha                   | 20-30   | 64742-48-9 | Flam. Liq. 3; H226<br>Skin Irrit. 2; H315<br>Asp. Tox. 1; H304<br>STOT SE 3; H336        |
| Distillates (petroleum), Hydrotreated Heavy Naphthenic | 10-15   | 64742-52-5 | Asp. Tox. 1; H304                                                                        |
| Diethylene glycol monobutyl ether                      | 1 - 5   | 112-34-5   | Eye Irrit. 2A; H319                                                                      |
| Carbon dioxide                                         | 1 - 5   | 124-38-9   | Compressed dissolved gas; H280                                                           |
| Fragrance                                              | <0.05   | Mixture    | Flam. Liq. 3; H226<br>Skin Irrit. 2; H315<br>Skin Sens. 1B; H317<br>Eye Irrit. 2A; H319  |

**Additional Information –** Note: The specific chemical identity and/or percentage of composition of the remainder is being withheld as a trade secret.

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

|              |                                                                                                                                                                                |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.                                                           |
| Skin Contact | Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention.                                                             |
| Eye Contact  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Ingestion    | Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get immediate medical attention.                                                               |

### Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways. Do NOT induce vomiting.

### Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.  
Do not use water jet.

### Special hazards arising from the substance or mixture

None

### Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

|                                                                     |                                                                                               |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | Avoid contact with skin and eyes.                                                             |
| Environmental precautions                                           | None                                                                                          |
| Methods and material for containment and cleaning up                | Cover spills with inert absorbent material. Transfer to a container for disposal or recovery. |
| Reference to other sections                                         | None                                                                                          |
| Additional Information                                              | None                                                                                          |

## SECTION 7: HANDLING AND STORAGE

|                                                              |                                                                                                                                                                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling                                | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only. Do not use in confined spaces. |
| Conditions for safe storage, including any incompatibilities |                                                                                                                                                                                                             |
| -Storage temperature                                         | Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. Keep container tightly closed.                                                                |
| -Incompatible materials                                      | This product should be stored away from sources of strong heat or oxidizing chemicals.                                                                                                                      |
| Specific end use(s)                                          | Lubricant                                                                                                                                                                                                   |

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

| SUBSTANCE.              | CAS No. | (8hr TWA)  |                        | (STEL)     |             | Note:                    |
|-------------------------|---------|------------|------------------------|------------|-------------|--------------------------|
|                         |         | PEL (OSHA) | TLV (ACGIH)            | PEL (OSHA) | TLV (ACGIH) |                          |
| Mineral oils / Oil Mist | -----   | 5 mg/m3    | 5 mg/m3 <sup>(1)</sup> | -----      | -----       | <sup>(1)</sup> Inhalable |
| Alkanes (C9-C15)        | -----   | -----      | 1200 mg/m3             | -----      | -----       | -----                    |

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| Recommended monitoring method | NIOSH 1550 (Naphthas); NIOSH 5026 (Oil mist; mineral) |
|-------------------------------|-------------------------------------------------------|

### Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation.

#### Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber or Butyl rubber). Check with protective equipment manufacturer's data.



Respiratory protection

Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.



Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

### Environmental Exposure Controls

Avoid release to the environment.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Information on basic physical and chemical properties |                   |
|-------------------------------------------------------|-------------------|
| Appearance                                            | Aerosol spray     |
| Color.                                                | Light amber       |
| Odor                                                  | Petroleum solvent |
| Odor Threshold (ppm)                                  | Not available     |
| pH (Value)                                            | Not applicable    |
| Melting Point (°C) / Freezing Point (°C)              | Not available.    |
| Boiling point/boiling range (°C):                     | 193°C (380°F)     |
| Flash Point (°C)                                      | -54°C (129°F)     |
| Evaporation Rate                                      | >1 (NBA = 1)      |
| Flammability (solid, gas)                             | Not applicable    |
| Explosive Limit Ranges                                | Not available     |
| Vapor pressure (Pascal)                               | 66.66             |
| Vapor Density (Air=1)                                 | Not available     |
| Density (g/ml)                                        | 0.82              |
| Solubility (Water)                                    | Not available     |
| Solubility (Other)                                    | Not available     |
| Partition Coefficient (n-Octanol/water)               | Not available     |
| Auto Ignition Point (°C)                              | Not available     |
| Decomposition Temperature (°C)                        | Not available     |
| Kinematic Viscosity (cSt)                             | Not available     |
| Explosive properties                                  | Not explosive.    |
| Oxidizing properties                                  | Not oxidizing.    |
| VOC                                                   | <25 percent       |
| Other information                                     |                   |

## SECTION 10: STABILITY AND REACTIVITY

|                                           |                                                                                        |
|-------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | Stable under normal conditions.                                                        |
| <b>Chemical stability</b>                 | Stable.                                                                                |
| <b>Possibility of hazardous reactions</b> | None anticipated.                                                                      |
| <b>Conditions to avoid</b>                | Avoid contact with heat and ignition sources.                                          |
| <b>Incompatible materials</b>             | This product should be stored away from sources of strong heat or oxidizing chemicals. |
| <b>Hazardous decomposition product(s)</b> | Carbon monoxide, Carbon dioxide, Acrid smoke                                           |

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Hydrotreated Light Distillate (CAS No. 64742-47-8) - By analogy with similar materials:**

|                               |                                                                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acute toxicity</b>         | Oral: LD50 >5 g/kg-bw<br>Dermal: LD50 >2 g/kg-bw<br>Inhalation: LC50 >20 mg/l (Vapor), 4-hr. rat - May cause drowsiness or dizziness.<br>May be fatal if swallowed and enters airways. |
| <b>Irritation/Corrosivity</b> | Causes skin irritation. Repeated exposure may cause skin dryness or cracking.                                                                                                          |
| <b>Sensitization</b>          | It is not a skin sensitizer.                                                                                                                                                           |
| <b>Repeated dose toxicity</b> | No data                                                                                                                                                                                |
| <b>Carcinogenicity</b>        | It is unlikely to present a carcinogenic hazard to man.                                                                                                                                |

| NTP | IARC | ACGIH | OSHA | NIOSH |
|-----|------|-------|------|-------|
| No. | No.  | No.   | No.  | No.   |

|                              |                    |
|------------------------------|--------------------|
| <b>Mutagenicity</b>          | Not to be expected |
| <b>Reproductive toxicity</b> | Not to be expected |

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## Information on toxicological effects

### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

Petroleum Distillate (64742-47-8) - By analogy with similar materials:

Short term  
LC50 (96 hour): 2.5 mg/L (fish)  
EC50 (48 hour): 1.4 mg/L (crustacea)  
EC50 (72 hour): 1.3 mg/L (algae)

Long Term  
NOEC (28 days): 0.098 mg/L (fish)  
LOEC (21 days): 1.2 mg/L (crustacea)  
LOEL (72 hour): 1 mg/L (algae)

#### Persistence and degradability

Biodegradable

#### Bioaccumulative potential

The product has no potential for bioaccumulation.

#### Mobility in soil

Not available.

#### Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

#### Other adverse effects

None known.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Disposal should be in accordance with local, state or national legislation.  
Consult an accredited waste disposal contractor or the local authority for advice.

### SECTION 14: TRANSPORT INFORMATION

By land: DOT Proper Shipping Name: None required per 49 CFR 173.306(i) for products that conform to the Limited Quantity Provisions. Commodity shipping Description: Lubricant, NOI

By water: DOT & IMDG Proper Shipping Name: UN1950, Aerosols, 2.1, LTD QTY

By air: DOT & IATA Proper Shipping Name: UN1950, Aerosols, flammable, 2.1, LTD QTY (packing instruction Y203 applies)

### SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

| Chemical Name | CAS No. | Typical %wt. | RQ (Pounds) |
|---------------|---------|--------------|-------------|
| None          | ----    | ----         | ----        |

SARA 311/312 - Hazard Categories: See SECTION 2: HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

| Chemical Name | CAS No. | Typical %wt. |
|---------------|---------|--------------|
| None          | ----    | ----         |

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

| Chemical Name | CAS No. | Typical %wt. | TPQ (pounds) |
|---------------|---------|--------------|--------------|
| None          | ----    | ----         | ----         |

California Proposition 65 List:

# BOESHIELD® T-9 (AEROSOL)

| Chemical Name | CAS No. | Type of Toxicity |
|---------------|---------|------------------|
| None          | ----    | ----             |

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: November 5, 2024

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

### Hazard Statement(s)

- H222: Extremely flammable aerosol.
- H229 Pressurized container: may burst if heated.
- H280: Contains gas under pressure; may explode if heated.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.

Training advice: None.

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