

Material Safety Data Sheet

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TROOP-BALAS LABORATORIES KT-22®

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Distributor Bergeon SA
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Section 2. Composition, Information on Ingredients

Name	CAS #	% Weight	Exposure Limits
1) DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0	30-60	ACGIH (United States). TWA: 5 mg/m ³ Form: OIL MIST, MINERAL STEL: 10 mg/m ³ Form: OIL MIST, MINERAL OSHA (United States). PEL: 5 mg/m ³ Period: 8 hour(s). Form: OIL MIST, MINERAL
2) RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	64742-62-7	10-30	ACGIH (United States). TWA: 5 mg/m ³ Form: OIL MIST, MINERAL STEL: 10 mg/m ³ Form: OIL MIST, MINERAL OSHA (United States). PEL: 5 mg/m ³ Period: 8 hour(s). Form: OIL MIST, MINERAL
3) LITHIUM SOAP		5-15	None assigned.
4) ZINC SALT OF DIALKYL DITHIOPHOSPHORIC ACID		2.0	None assigned.

Section 3. Hazards Identification

Physical state Solid paste.

Color Red.

Emergency Overview This product has been evaluated and does not require any hazard warning on the label under established regulatory criteria.

Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.

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POTENTIAL HEALTH EFFECTS

Eyes	No significant health hazards identified.
Skin	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis. High pressure skin injections are serious medical emergencies. Injury will not appear serious at first; within a few hours, tissue will become swollen, discolored and extremely painful.
Inhalation	No significant health hazards identified.
Ingestion	Causes gastrointestinal irritation and diarrhea.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation occurs. Accidental high pressure injection through the skin requires immediate medical attention.

Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms appear.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Section 5. Fire Fighting Measures

Flammability of the Product May be combustible at high temperature.

Autoignition Temperature Not available.

Flash Points OPEN CUP: 218°C (424.4°F).

Flammable Limits Not available.

Products of Combustion carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃...), oxides of phosphorus, other hazardous substances.

Unusual fire/explosion hazards None identified. This material is not explosive as defined by established regulatory criteria.

Fire Fighting Media and Instructions SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Protective Clothing (Fire) Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

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Section 6. Accidental Release Measures

Large Spill and Leak Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways.

Section 7. Handling and Storage

Handling Avoid breathing vapors or spray mists. Do not ingest. Wash thoroughly after handling. Avoid prolonged or repeated contact with skin.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection

Eyes Safety glasses with side shields.

Skin and Body Avoid prolonged or repeated contact with skin. Wear protective clothing if prolonged or repeated contact is likely.

Respiratory None required; however, use of adequate ventilation is good industrial practice. If ventilation is inadequate, use a NIOSH certified respirator with an organic vapor cartridge and P95 particulate filter.

Hands Wear protective gloves if prolonged or repeated contact is likely.

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Chemical name

Exposure Limits

1) DISTILLATES (PETROLEUM), SOLVENT-DEWAXED
HEAVY PARAFFINIC

ACGIH (United States).

TWA: 5 mg/m³ Form: OIL MIST, MINERAL

STEL: 10 mg/m³ Form: OIL MIST, MINERAL

OSHA (United States).

PEL: 5 mg/m³ Period: 8 hour(s). Form: OIL MIST, MINERAL

2) RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED

ACGIH (United States).

TWA: 5 mg/m³ Form: OIL MIST, MINERAL

STEL: 10 mg/m³ Form: OIL MIST, MINERAL

OSHA (United States).

PEL: 5 mg/m³ Period: 8 hour(s). Form: OIL MIST, MINERAL

3) LITHIUM SOAP

None assigned.

4) ZINC SALT OF DIALKYL DITHIOPHOSPHORIC ACID

None assigned.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state Solid paste.

PH Not applicable.

Boiling/Condensation Point Not available

Melting/Freezing Point 260°C (500°F)

Specific Gravity 0.87 (Water = 1)

Vapor Pressure Negligible

Vapor Density >1 (Air = 1)

Odor Threshold Not available.

Evaporation Rate Negligible

Viscosity Kinematic (40C): 192 cSt

LogKow Not available.

Solubility Insoluble in cold water.

Odor Bland.

Color Red.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Conditions to avoid Keep away from heat, sparks and flame. Keep away from sources of ignition.

Incompatibility with Various Substances Strong oxidizing materials, strong acids, strong alkalis.

Hazardous Decomposition Products Products of Combustion: carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃...), oxides of phosphorus, other hazardous substances.

Hazardous Polymerization Will not occur.

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Section 11. Toxicological Information

Acute toxicity LD50: Not available. LC50: Not available.

Chronic toxicity No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA).

Other information No significant health hazards identified.

Section 12. Ecological Information

Ecotoxicity Ecological testing has not been conducted on this product by TB.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Consult your local or regional authorities.**

Section 14. Transport Information

DOT Classification Not a DOT controlled material (United States). Not regulated.

Marine Pollutant Not pollutant.

Special Provisions for Transport None identified.

ADR/RID Classification

UN number Not applicable.

Proper shipping name Not regulated.

ADR/RID Class Not applicable.

Packing Group Not applicable.

IMO/IMDG Classification

Proper shipping name Not regulated.

IMDG Class Not applicable.

UN number Not applicable.

Packing Group Not regulated.

Marine Pollutant Not pollutant.

ICAO/IATA Classification

Proper shipping name Not regulated.

IATA Class Not applicable.

UN number Not applicable.

Packing Group Not applicable.

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Section 15. Regulatory Information

U.S. Regulations US INVENTORY (TSCA): Listed on inventory.
SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355):: This product is not regulated under Section 302 of SARA and 40 CFR Part 355.
SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370):: Defined as non-hazardous by OSHA under 29 CFR 1910.1200(d).
SARA 313 toxic chemical notification and release reporting: ZINC SALT OF DIALKYL DITHIOPHOSPHORIC ACID 2.0%
CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4):: This material is not regulated under CERCLA Sections 103 and 107.

State Regulations No products were found.

California prop. 65: No products were found.

Other Regulations AUSTRALIAN INVENTORY (AICS): Not determined.
CANADA INVENTORY (DSL): In compliance.
CHINA INVENTORY (IECS): Not determined.
EC INVENTORY (EINECS/ELINCS): Not determined.
JAPAN INVENTORY (ENCS): Not determined.
KOREA INVENTORY (ECL): Not determined.
PHILIPPINE INVENTORY (PICCS): Not determined.

Section 16. Other Information

Label Requirements This product has been evaluated and does not require any hazard warning on the label under established regulatory criteria. Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.

Hazardous Material Information System (U.S.A.)

National Fire Protection Association (U.S.A.) 0-1-0

Health-0 Fire Hazard-1 Reactivity-0

HISTORY Date of issue 11/21/2001.

Version 1

Prepared by Western Optical Supply, Inc.

Notice to Reader

NOTICE : This Material Safety Data Sheet is based upon data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the nature of the product. This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1.