



SAFETY DATA SHEET

Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C).
Store locked up.
Keep out of reach of children.
Dispose of contents/container in accordance with local, regional and national regulations.

Hazard(s) not otherwise classified (HNOC): None

Unknown Acute Toxicity: Not applicable.

SECTION 3 – COMPOSITION /INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION: Mixtures

HAZARDOUS COMPONENTS:

| <u>Component</u> | <u>CAS#</u> | <u>OSHA Hazard</u> | <u>% by Weight</u> |
|------------------------------|-------------|--------------------|--------------------|
| 1. C11-15 Alkane/Cycloalkane | 64742-47-8 | YES | 10 - 15 |
| 2. Mineral Oil | 8042-47-5 | YES | 7 - 13 |
| 3. Propane | 74-98-6 | YES | 5 - 10 |
| 4. Butane | 106-97-8 | YES | 1 - 5 |

The exact percentages (concentration) of mixture have been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4 – FIRST AID MEASURES

FIRST AID MEASURES

EYE CONTACT: In case of eye contact, immediately rinse eyes thoroughly with water for several minutes. If eye irritation persists: Get medical advice.

SKIN CONTACT: In case of skin contact, rinse area for at least 15 minutes. Remove contaminated clothing and shoes, wash thoroughly before reuse. If irritation persists, get medical attention.

INHALATION: Remove to fresh air and keep comfortable for breathing. If breathing is difficult, GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: If swallowed, DO NOT induce vomiting, rinse mouth. Call POISON CENTER or doctor immediately. NEVER give an unconscious person anything to ingest. If vomiting occurs, keep head low so that stomach content does not get into the lungs.

MOST IMPORTANT SYMPTOMS AND EFFECTS: Prolonged skin contact may cause skin irritation. Symptoms may include redness, discomfort and itching. Aspiration of droplets may cause pulmonary edema and pneumonitis.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Provide general supportive measures and treat symptomatically. Provide SDS to physician. Symptoms may be delayed.



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SECTION 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Extinguish with water spray, alcohol resistant foam, dry chemical, or carbon dioxide (CO₂).

UNSUITABLE EXTINGUISHING MEDIA: Do not use a heavy water stream.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Hazardous Combustion Products: Carbon Monoxide. During fire, toxic fumes may be released.

Fire and Explosion Hazards: Flammable aerosol. Contents under pressure. Pressurized container: may burst when exposed to heat or flame.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Evacuate area of personnel. Wear protective NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Vapors may travel considerable distance to a source of ignition and flash back. Use water spray to cool fire-exposed containers. Contaminated extinguishing water must be disposed of in accordance with local, state and federal regulations.

SECTION 6 – ACCIDENTAL RELEASES MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with skin, eyes and clothing. Avoid breathing spray and vapors. Ensure adequate ventilation. Ventilate closed spaces before entering them. Use personal protective equipment, see Section 8. Isolate area and deny entry to unnecessary and unprotected personnel. Keep upwind.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:

Small Spill: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent. Wear rubber gloves.

Large Spill: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent. Wear rubber gloves. Dispose of collected material according to local, state, and federal regulations. Avoid direct discharge to sewers and surface waters.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with eyes, skin or clothing. Use appropriate personal protective equipment (see Section 8). Observe good industrial hygiene practices when handling this material. Do not eat, drink, or smoke in work area. Wash skin thoroughly after use. Keep out of reach of children.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: Store locked up. Store in cool, well-ventilated area away from heat. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not pierce or burn, even after use. Keep containers tightly closed. Store in original containers in a secure area away from children and pets. This product should be stored away from sources of strong heat and oxidizing chemicals. Also avoid: acids, bases, reducing agents, peroxides, amines, ammonia, chlorine and halogens.



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SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

| <u>Component</u> | <u>PEL/TWA</u> | <u>OSHA</u> | <u>ACGIH</u> | <u>STEL/C</u> |
|----------------------------------|-----------------------------------|---------------|-----------------------------------|---------------|
| | | <u>STEL/C</u> | <u>TWA</u> | |
| 1. C11-15 Alkane/ Cycloalkane | N.E. | N.E. | 1200 mg/m ³ (vapor) | N.E. |
| 2. Mineral Oil | 5 mg/m ³ | N.E. | 5 mg/m ³ | N.E. |
| 3. Propane | 1,000 ppm/1,800 mg/m ³ | N.E. | Aspyx.# | N.E. |
| 4. Butane | 800 ppm/1,900 mg/m ³ | N.E. | 1,000 ppm | N.E. |

Assure minimum oxygen content of work atmosphere.

APPROPRIATE ENGINEERING CONTROLS: Use with adequate ventilation. Do not use in closed or confined spaces. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If occupational exposure limits have not been established, maintain airborne levels to an acceptable level.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: None required during normal household use. In an industrial setting, respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If vapor is present, wear NIOSH-Approved respirator for vapors and mists, NIOSH-Approved self-contained breathing apparatus, NIOSH-Approved full-face piece positive-pressure, air-supplied respirator. DO NOT exceed limits established by respirator manufacturer. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of product.

EYE PROTECTION: Not required during normal household usage. Wear safety glasses/goggles if potential for exposure exists. Industrial users wear safety goggles; wear face protection if the potential for significant exposure exists. Do not wear contact lenses. Emergency responders should wear full eye and face protection.

SKIN PROTECTION: Not required during normal household usage. Industrial users wear rubber gloves with protective cuff if prolonged skin contact is likely. Emergency responders should wear impermeable gloves.

OTHER PROTECTION: Emergency responders should wear chemical type (impermeable) protective clothing and footwear where direct contact with chemicals in this product is possible.

WORK/HYGIENIC PRACTICES: Wash skin thoroughly after use or handling. Routinely wash work clothing and protective equipment to remove contaminants. Use good industrial hygiene practices when handling this product. Do not smoke when using this product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------------------------------------------|----------------------|
| Appearance: | Liquid Spray Aerosol |
| Color: | Colorless |
| Odor/odor threshold: | Petroleum spirit |
| Melting point/freezing point: | N.D. |
| Boiling point (or initial boiling point or boiling range): | N.D. |
| Flammability: | Flammable aerosol |



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|-----------------------------------------------------|----------------|
| Lower and upper explosion limit/flammability limit: | N.D. |
| Flash point: | N.D. |
| Auto-ignition temperature: | N.D. |
| Decomposition Temperature: | N.D. |
| pH: | N.D. |
| Kinematic viscosity: | <20 cSt @ 40°C |
| Solubility: | N.D. |
| Partition coefficient n-octanol/water: | N.D. |
| Vapor pressure/evaporation rate (Pascal): | N.D. |
| Density and/or relative density: | N.D. |
| Relative vapor density: | N.D. |
| Particle characteristics: | N.A. |
| Explosive Limit Ranges: | N.D. |

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY: Flammable aerosol. Pressurized container may burst if heated.

CHEMICAL STABILITY: Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reactions known under normal conditions of use.

CONDITIONS TO AVOID: Eliminate all potential sources of ignition, including open flames, sparks, and hot surfaces.

INCOMPATIBLE MATERIALS: This product should be stored away from sources of strong heat and oxidizing chemicals.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition can lead to release of irritating gases, vapors and carbon oxides. In the event of fire: see Section 5.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Exposure: Eyes, Skin, Inhalation, Ingestion.

Eyes: No adverse effects expected under typical use conditions.

Skin: Irritant: avoid prolonged skin contact. Effects may vary depending on length of exposure.

Inhalation: No adverse effects expected under typical use conditions.

Ingestion: No adverse effects expected under typical use conditions.

Symptoms: Prolonged skin contact may cause skin irritation. Symptoms may include redness, discomfort and itching. Aspiration of droplets may cause pulmonary edema and pneumonitis.

Information on Toxicological Effects:

Numerical Measures of Toxicity:



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| Constituent | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------------------|-------------------------------------------|-----------------------------------------------|----------------------------------------------------|
| C11-15 Alkane/ Cycloalkane | >5,000 mg/kg (rat) (similar substance) | > 2,000 mg/kg (rabbit) (similar substance) | >5.28 mg/L (rat, 4h, vapor) (similar substance) |
| Mineral Oil | >5,000 mg/kg (rat) | > 2,000 mg/kg (rabbit) | >5.0 mg/L (rat, 4h, aerosol) |
| Propane | Not applicable | Not applicable | 1,237 mg/L (mouse, 2h, gas) |
| Butane | Not applicable | Not applicable | >800,000 ppm (rat, 10-15 min, gas) |
| Product Acute Toxicity Estimate | >5,000 mg/kg | >5,000 mg/kg | Not assessed |

Delayed and Immediate Effects and chronic Effects from Short- and Long-Term Exposure:

Eye Irritation: Product is not classified based on available data.

Skin Irritation: Causes skin irritation (GHS Category 2).

Skin Sensitization: Product is not classified based on available data.

Respiratory Sensitization: Product is not classified based on available data.

Carcinogenicity: This product does not contain any substances at greater than 0.1% (w/w) that are considered carcinogenic by the National Toxicology Program (NTP) Report on Carcinogens and have not been found to be potential carcinogens in the International Agency for Research on Cancer (IARC) Monographs or found to be potential carcinogens by OSHA.

Mutagenicity: Product is not classified based on available data.

Reproductive Toxicity: Product is not classified based on available data.

Specific Target Organ Toxicity – Single Exposure: Prolonged use may cause drowsiness or dizziness.

Specific Target Organ Toxicity – Repeated Exposure: Product is not classified based on available data.

Aspiration Hazard: May be fatal if swallowed and enter airways.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

| Constituent | Organism and Species | Results |
|---------------------------|--------------------------------------------------|-------------------------------------|
| C11-15 Alkane/Cycloalkane | Fish (<i>Oncorhynchus mykiss</i>) | 96h LL50: 2 - 5 mg/L |
| | Crustacea (<i>Daphnia magna</i>) | 48h EL50: 1.4 mg/L |
| | Algae (<i>Raphidocelis subcapitata</i>) | 72h EL50: 1 - 3 mg/L |
| | Microorganisms (<i>Tetrahymena pyriformis</i>) | 72h LL50: 677.9 mg/L (estimate) |
| Mineral Oil | Fish (<i>Leuciscus idus melanotus</i>) | 96h LL50: >10,000 mg/L |
| | Crustacea (<i>Daphnia magna</i>) | 48h LL50: >100 mg/L |
| | Algae | 72h EL50: >100 mg/L |
| | Microorganisms (Activated sludge) | Low inhibition to microorganisms |
| Propane | No data available | No data available |
| Butane | No data available | No data available |



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Persistence / Degradability:

| Constituent | Results |
|---------------------------|-----------------------------------------|
| C11-15 Alkane/Cycloalkane | Expected to be inherently biodegradable |
| Mineral Oil | Expected to be inherently biodegradable |
| Propane | Not applicable |
| Butane | Not applicable |

Bioaccumulative Potential:

| Constituent | Log Pow | Bioconcentration Factor (BCF) |
|---------------------------|-----------|-------------------------------|
| C11-15 Alkane/Cycloalkane | 2 – 18 | No data |
| Mineral Oil | 4 – 18 | No data |
| Propane | 2.2 – 2.7 | No data |
| Butane | 2.2 – 2.7 | No data |

Mobility in soil: No information available.

PBT and vPvB assessment: Not considered to be PBT or vPvB.

Other Adverse Effects: No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Contents under pressure. Do not puncture, incinerate or crush. Dispose of unused product following all local, state, and federal regulations.

CONTAMINATED PACKAGING: Follow label warnings, since containers may retain some residue of the product.

SECTION 14 – TRANSPORTATION INFORMATION

DOT (Department of Transportation) (Land Transport):

Hazard Class/Label: 2.1

Packaging Group: N.A.

UN Number: UN 1950

Proper Shipping Name: Aerosols, flammable, n.o.s.

IMDG (Marine Transport):

Hazard Class/Label: 2.1

Packaging Group: N.A.

UN Number: UN 1950

Proper Shipping Name: AEROSOLS

Marine Pollutant: No

IATA (Air Transport):

Hazard Class/Label: 2.1

Packaging Group: N.A.

UN Number: UN 1950



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Proper Shipping Name: Aerosols, flammable

SECTION 15 – REGULATORY INFORMATION

FEDERAL REGULATIONS:

TSCA INVENTORY STATUS: All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SARA Title III Section 311/312 Category:

| | |
|----------------------------------|-----|
| IMMEDIATE (ACUTE) HEALTH HAZARD: | YES |
| DELAYED (CHRONIC) HEALTH HAZARD: | NO |
| FIRE HAZARD: | YES |
| SUDDEN RELEASE OF PRESSURE: | YES |
| REACTIVE HAZARD: | NO |

SARA SECTIONS 302/304/313/HAP: NO

STATES RIGHT TO KNOW: California, New Jersey, Pennsylvania, Minnesota, Massachusetts, and Wisconsin. Complies with listed States Right to Know Acts.

The following statement is made in order to comply with the California State Drinking Water Act. California Proposition 65: This product is not known to contain any chemicals known to the State of California to cause cancer and/or to cause birth defects and other reproductive harm.

SECTION 16 – OTHER INFORMATION

Date of Revision: 10-February-2026

Section 2: Update GHS classification. Editorial and formatting changes to align with 29CFR 1900.1200 dated May 2024.

SDS ABBREVIATIONS:

| | |
|--------|-----------------------------------------------------------|
| ACGIH: | American Conference of Governmental Industrial Hygienists |
| C: | Ceiling Limit |
| EC50: | Effective Concentration to 50% of a test population |
| EL50: | Effective Loading Rate to 50% of a test population |
| HAP: | Hazardous Air Pollutant |
| IATA: | International Air Transport Association |
| IMDG: | International Maritime Dangerous Goods |
| LC50: | Lethal Concentration to 50% of a test population |
| LD50: | Lethal Dose to 50% of a test population |
| LL50: | Lethal Loading to 50% of a test population |
| N.A.: | Not Applicable |
| N.D.: | Not Determined |
| N.E.: | Not Established |
| NIOSH: | National Institute for Occupational Safety & Health |
| NOEC: | No Observed Effect Concentration |
| OECD: | Organisation for Economic Cooperation and Development |



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| | |
|-------|------------------------------------------|
| PBT: | Persistent, Bioaccumulative and Toxic |
| PEL: | Permissible Exposure Limits |
| STEL: | Short-Term Exposure Limit |
| TSCA: | Toxic Substances Control Act |
| TWA: | Time-Weighted Average |
| UN: | United Nations |
| vPvB: | Very Persistent and Very Bioaccumulative |

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