

heavy paraffinic			
Distillates (Petroleum), Hydrotreated Light Naphthenic	64742-53-6	15-25	*
Proprietary Additive	PROPRIETARY	1-10	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General advice	If symptoms persist, call a physician.
Skin contact	Rinse skin with water/shower. Remove contaminated clothing and shoes. If skin irritation occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.
Inhalation	Move to fresh air. Keep at rest position comfortable for breathing. If not breathing, give artificial respiration. If breathing is labored, administer oxygen. If unconscious, place in recovery position and seek medical attention immediately.
Eye contact	Flush eye(s) immediately with plenty of water. Flush eyes with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
Ingestion	Do not induce vomiting. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed

Symptoms	Coughing and/ or wheezing. Gastrointestinal tract (GI): Nausea, Vomiting, Diarrhea. Eye irritation, Skin irritation.
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Indication of any immediate medical attention and special treatment needed

Self-protection of the first aider	Low hazard for usual industrial or commercial handling.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Water spray or fog; Carbon dioxide (CO2), Dry chemical, Foam.

Small Fire	Dry chemical or CO2.
Large Fire	Water spray or fog; Foam.
Explosive properties:	Risk of explosion if heated under confinement: Fire or intense heat may cause violent rupture of packages.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Runoff may pollute waterways.

Hazardous combustion products Carbon monoxide, Carbon dioxide (CO2).

Specific methods:

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge May be ignited by heat, sparks or flames.

Special firefighting procedures:

No action shall be taken involving any personal risk without suitable training. Evacuate surrounding areas. Dike to collect large liquid spills. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. The product is insoluble and floats on water. Water mist may be used to cool closed containers. Keep exposed unopened containers cool to prevent rupture. Do not use a solid water stream as it may scatter and spread fire. Move containers

from fire area if you can do it without risk. Avoid spreading burning liquid with water used for cooling purposes. Do not allow run-off from fire-fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. See Section 8 for information on appropriate personal protective equipment. Contaminated surfaces will be extremely slippery.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions: Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Dike far ahead of spill; use dry sand to contain the flow of material. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

Methods for clean-up: Clean-up methods - small spillage. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to state, local, federal regulations. Clean-up methods - large spillage: Keep unnecessary personnel away. Ventilate the area. Dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material with soil and prevent runoff entering surface waterways.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling: Protect from physical damage. Do not store at temperatures above 120°F (50°C). Keep containers tightly closed in a cool, well-ventilated place. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Empty containers retain product residue and can be hazardous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose these containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

Conditions for safe storage, including any incompatibilities

Technical measures/precautions: Ensure adequate ventilation. Eye wash and safety shower should be easily accessible.

Materials to avoid: Strong oxidizing agents, Reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Components	ACGIH TLV	OSHA Exposure Limits:	NIOSH IDLH
Petroleum distillates, hydrotreated heavy paraffinic	5 mg/m ³ (mist): TWA, 10mg/m ³ (mist): STEL	5 mg/m ³ (oil mist) TWA	-

64742-54-7			
Distillates (Petroleum), Hydrotreated Light Naphthenic 64742-53-6	-	-	-
Proprietary Additive PROPRIETARY	-	-	-

Other information Contains Mineral oils, PEL/OSHA: 5 mg/m³.

Appropriate engineering controls

Engineering measures: Ensure adequate ventilation. Eye wash and safety shower should be easily accessible.

Individual protection measures, such as personal protective equipment

- Eye/face protection** Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear: Face protection shield.
- Skin and body protection** Chemical resistant gloves (consult with the specific manufacturer to confirm performance). Gloves must be inspected prior to use. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
- Respiratory protection** Ensure adequate ventilation. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing. Use personal protective equipment as required. When using do not eat, drink or smoke. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Petroleum
Appearance	Oil	Odor threshold	No information available
Color	Amber		
Property	Values	Remarks • Method	
pH	N/A	Not applicable	
Melting point/freezing point	No information available		
Boiling point / boiling range	No information available . / .		
Flash point	220 °C / 428 °F		
Evaporation rate	No Data Available	No Data Available	
Flammability (solid, gas)	No information available		
Flammability Limits in Air			
Upper flammability limit	No Data Available		
Lower flammability limit	No Data Available		
Vapor pressure	No Data Available		
Vapor density	>1 (air = 1)	Heavier than air	
Specific Gravity	0.87		
Water solubility	Negligible		
Solubility in other solvents	No Data Available		
Partition coefficient	No Data Available		
Autoignition temperature	No Data Available		
Decomposition temperature	No Data Available		
Kinematic viscosity	26 mm ² /s	@ 100 °C	
Dynamic viscosity	No Data Available		
Explosive properties	No Data Available		
Oxidizing properties	No Data Available		

Other information

Softening point No Data Available
 Molecular weight No Data Available
 VOC Content (%)
 VOC Content (%) None
 Density 0.87 g/cc
 Bulk density No Data Available

10. STABILITY AND REACTIVITY

Reactivity

Reactivity Stable under normal conditions.

Chemical stability

Possibility of Hazardous Reactions May react with oxidizing agents.
Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks, Incompatible materials, Elevated temperatures.

Incompatible materials

Materials to avoid: Strong oxidizing agents, Reducing agents.

Hazardous Decomposition Products

Hazardous Decomposition Products Carbon monoxide, Carbon dioxide (CO2).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information May be harmful if swallowed. May cause eye irritation. May cause skin irritation.

Inhalation Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

Eye contact May cause irritation.

Skin Contact May cause irritation. Repeated exposure may cause skin dryness or cracking.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Potential for aspiration if swallowed.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Distillates (Petroleum), Hydrotreated Light Naphthenic 64742-53-6	> 5000 mg/kg (Rat)	-	-
Proprietary Additive PROPRIETARY	-	-	-

Information on toxicological effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	Skin Sensitization: Not expected. Respiratory Sensitization: Not classified.
Mutagenic effects:	No data available to indicate product or any components present at or greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC, NTP, or OSHA.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	Not classified.
Chronic toxicity	Prolonged skin contact may defat the skin and produce dermatitis.
Subchronic toxicity	No information available.
Target Organ Effects	Skin, Eyes, Respiratory system.
Neurological effects	No information available.
Other adverse effects	No information available.
Aspiration hazard	Risk of serious damage to the lungs (by aspiration).

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 30.01 % of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document .
 ATEmix (oral) 15000 mg/kg
 ATEmix (inhalation-dust/mist) 6.8 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

30.01 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Components	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

Persistence and degradability

NOT READILY BIODEGRADABLE.

Bioaccumulation

Bioaccumulative potential.

Mobility

The product is insoluble and floats on water.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes	Dispose of in accordance with federal, state and local regulations.
Contaminated packaging	Do not reuse container. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated
IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

Federal Regulations

SARA 313

No SARA 313 chemicals are present above the reporting threshold.

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

State Regulations (RTK)

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Rating

Health hazards 0

Flammability 1

Instability 0

Physical and Chemical Properties -

HMIS Rating

Health hazards 0

Flammability 1

Physical hazards 0
Personal protection C

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Revision Note

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet