



ClearGuard LLC

The Next-Generation in Dielectric Oils



SAFETY DATA SHEET

According to OSHA 29 CFR 1910.1200, Canada HPR, and applicable U.S./Canadian regulations

Product Name: BaseGuard 100 Pro

Version: 1.0

Revision Date: 16/09/2025

Product Name:	BaseGuard 100 PRO
Recommended Use:	Base Oil
Company Name:	ClearGuard, LLC
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- Globally Harmonized System (GHS) Classification

Aspiration hazard, Category 1

- GHS Label Elements Symbols



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- GHS Signal Words
- Danger
- GHS Hazard Statements
- Physical Hazards: Not classified under GHS
- Health Hazards: May be fatal if swallowed and enters airways
- Environmental Hazards: Not classified under GHS
- GHS Precautionary Statements
- Prevention: No precautionary phrases
- Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
- Storage: Not Applicable
- Disposal: Dispose of waste product or used containers according to local regulations

2.3 Other Hazards

- Prolonged/repeated exposure may aggravate skin, eye, or respiratory conditions.

SECTION 3: Composition / Information on Ingredients



Substance	CAS No.	Approx. % (w/w)	Classification (GHS US/CA)
Distillates, petroleum, hydrotreated heavy paraffinic	64742- 54-7	40–70%	Not classified
Distillates, petroleum, hydrotreated heavy naphthenic	64742-53- 6	30–60%	Aspiration Hazard, Cat. 1

Note: Concentrations withheld as trade secret in accordance with 29 CFR 1910.1200(i) and/or HPR SOR/2015-17, Section 5.7.

SECTION 4: First Aid Measures

- Inhalation: Remove to fresh air. Seek medical advice if symptoms persist.
- Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing. If irritation persists, get medical attention.
- Eye Contact: Rinse with clean water for several minutes. Remove contact lenses if present and easy to do. If irritation persists, seek medical advice.
- Ingestion: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER/doctor.

SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Dry chemical, foam, CO₂, water spray/fog for cooling.
- Unsuitable Media: High-pressure water jets.
- Special Hazards: Burning may produce CO, CO₂, aldehydes, ketones, and other hydrocarbons.
- Protective Equipment: Firefighters should wear SCBA and full protective gear.

SECTION 6: Accidental Release Measures

- Wear PPE to avoid contact/inhalation.
- Contain and absorb with inert material; place in suitable container for disposal.
- Prevent entry into drains, sewers, or waterways.

SECTION 7: Handling and Storage



- Handle in well-ventilated areas. Avoid inhaling mist/vapors. Avoid skin/eye contact.
- Store in tightly closed containers, in a cool, dry, well-ventilated place, away from ignition sources and incompatible materials.

SECTION 8: Exposure Controls / Personal Protection

- Occupational Exposure Limits:
 - ACGIH (mineral oil mist): TWA 5 mg/m³ (inhalable fraction).
- Engineering Controls: Provide adequate ventilation and local exhaust. Provide eyewash stations.
- PPE:
 - Gloves: Nitrile or equivalent.
 - Eye: Safety glasses with side shields.
 - Clothing: Protective work clothing.
 - Respiratory: Use NIOSH-approved respirator with organic vapor/particulate filter if exposure exceeds limits.
 - In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
 - Other Information: When using, do not eat, drink or smoke.

SECTION 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Light yellow to clear liquid
Odor	Mild hydrocarbon/petroleum
Physical State	Liquid
Flash Point (COC)	145–185 °C
Boiling Point	>300 °C



Property	Typical Value
Vapor Pressure	<1 mmHg @ 20 °C
Density / Specific Gravity	0.86–0.91 g/cm ³
Solubility in Water	Insoluble
Viscosity (40 °C)	>18 mm ² /s
Auto-ignition Temperature	Not available

SECTION 10: Stability and Reactivity

- Stable under recommended storage/handling.
- Avoid strong oxidizers, extreme heat.
- Hazardous decomposition during combustion: CO, CO₂, hydrocarbons.

SECTION 11: Toxicological Information

- Likely Routes of Exposure: Inhalation, skin/eye contact, ingestion.
- Hazards: Aspiration hazard if swallowed.
- Skin/Eye: Mild irritant with prolonged/repeated contact.
- Carcinogenicity: Not classified by IARC, OSHA, NTP.
- Other: Prolonged/repeated exposure may worsen existing skin or respiratory disorders.

SECTION 12: Ecological Information

- Persistence/Degradability: Petroleum oils degrade slowly.
- Bioaccumulation Potential: Moderate (log K_{ow} >3).
- Aquatic Toxicity: May be harmful to aquatic organisms if released in large quantities.
- Mobility in Soil: Low (insoluble in water).

SECTION 13: Disposal Considerations



- Dispose of product and container in accordance with federal, state/provincial, and local regulations.
 - Do not release to sewers, soil, or waterways.
 - Recycle or re-refine waste oil where possible.
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SECTION 14: Transport Information

- DOT (U.S.): Not regulated as a hazardous material.
 - IMDG/IATA: Not regulated as dangerous goods.
 - Always confirm with carrier/regulatory authority.
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SECTION 15: Regulatory Information

- TSCA: All components listed.
 - DSL (Canada): All components listed.
 - SARA/State Regulations: Check individual state/provincial requirements.
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SECTION 16: Other Information

- NFPA Ratings:
 - Health: 1
 - Flammability: 1
 - Instability: 0
- Date of Preparation: 16/09/2025
- Disclaimer: Information is believed accurate but provided without warranty. Users are responsible for determining suitability of this product for their intended use and ensuring safe handling practices.