



**MATERIAL SAFETY DATA SHEET
DIVERSITECH
ALKYLBENZENE REFRIGERATION OIL 150**

CATALOG NO. ALK 150

SECTION I-IDENTIFICATION

HAZARD RATINGS	
HMIS DATA	
HEALTH = 0	0 = NONE
FIRE = 1	1 = SLIGHT
REACTIVITY = 0	2 = MODERATE
	3 = HIGH
	4 = EXTREME
PERSONAL PROTECTION INDEX = B	

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SECTION II HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT % or	CAS NO	OSHA PEL	ACIGH TLV	OTHER STEL
RNG Alkylate	68855-24-3/68081-77-6	No Threshold Limit Value has been established for this material.		

EPA HAZARD CATEGORIES: None
WORKPLACE EXPOSURE LIMITS: Because of the oil-based components of this mixture, if misting occurs, control of exposure to 5mg/m³ or less is recommended.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >315°C	Specific gravity (H ₂ O = 1): 0.86
Vapor pressure (mm Hg): 0.01 @20°C	Melting Point(Pour Point):0
Vapor Density (Air=1): Not Applicable	Evaporation Rate (Water = 1): Not applicable
Solubility in water: Insoluble	Viscosity: 29-35 cSt @ 40°C
Appearance and odor: Clear yellow liquid; mild bland odor.	

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 320°F (COC) Flammable Limits: LEL: N/A UEL: N/A

Extinguishing media: Use agents approved for Class B fires: dry chemical, CO₂, foam, water fog.

Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR NIOSH/MNSA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR WHEN FIGHTING FIRES INVOLVING THIS PRODUCT. Thoroughly decontaminate protective

equipment after use. Keep containers cooled with a water spray if involved in a fire.

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Unusual Fire and Explosion Hazards: Burning fluid may evolve irritating/noxious fumes, smoke and carbon monoxide. Water may cause frothing or splattering when used as an extinguishing agent.

SECTION V – REACTIVITY DATA

Stability-Stable

Conditions to avoid: Excessive heat; formation of oil mist.

Incompatibility (Materials to avoid): Strong oxidizers, strong alkalis, strong acids, and compressed oxygen

Hazardous Decomposition or Byproducts: None. Normal burning forms carbon dioxide and water. Incomplete burning can produce carbon monoxide.

Hazardous Polymerization: Will not occur.
Alkylbenzene Refrigeration Oil 150 MSDS

SECTION VI– HEALTH HAZARD DATA

Routes of Entry: Inhalation: yes Skin: yes Ingestion: yes Eyes: yes

Health Hazards (acute and chronic): Irritating to skin and eyes.

Carcinogenicity: NTP? no IARC Monographs? no OSHA Regulated? No

Nature of Hazard/Signs and symptoms of exposure:

Inhalation: Negligible hazard at ambient conditions (0-100°F) or recommended blending temperature.

Avoid breathing spray or mists.

Skin: No hazard in normal industrial use. Prolonged contact may cause irritation. Contact with hot

material may cause thermal burns.

Ingestion: **Do not take internally.** Minimal toxicity on ingestion. Give water. Do not induce vomiting.

Eyes: Slightly irritating, but contact will not injure eye tissue.

Medical Conditions Aggravated by Exposure: Contact or breathing mists may exacerbate existing skin or respiratory disorders.

Emergency and First Aid Procedures:

Eyes: Flush with warm water for until irritation subsides. Consult a physician if irritation persists

Skin: Remove contaminated clothing. Wash the affected area with soap and water. Launder or dry

clean clothes before reuse. Discard contaminated leather articles. If the product is injected into or under

the skin, physician should treat the individual as a surgical emergency.

Inhalation: Using proper respiratory protection, immediately remove the affected victim from exposure. Evacuate to a safe area with plenty of fresh air. Administer artificial respiration if breathing has stopped. Keep at rest. Call for medical aid immediately.

Ingestion: DO NOT induce vomiting. Drink 2-3 cups of milk or water. Call the nearest poison control

center immediately.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Remove all contaminated clothing immediately. Remove unnecessary personnel from the area. Floors may be slippery; use care to avoid falling. Dike the spill immediately with inert materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or "oil-dri", or use commercial oil absorbent pads, or remove liquid mechanically. Transfer absorbed material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

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WASTE DISPOSAL METHODS: Disposal must comply with applicable local state and federal regulations. Determine the waste classification at the time of disposal. Conditions of use may render the spent product a hazardous waste Enclosed/ controlled incineration I recommended unless otherwise directed by applicable ordinances.

HANDLING AND STORAGE:

Keep containers closed when not in use. Store in a dry, cool, well-ventilated area. Keep this and all chemicals out of the reach of children.

EMPTY CONTAINERS: The container for this product can present explosion or fire hazards, even when emptied. To avoid the risk of injury, do not cut, puncture or weld on or near this container. Since the empty container contains product residue, follow label warnings even after the container is emptied.

Alklybenzene Refrigeration Oil 150 MSDS

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): Use in a well-ventilated area. If mist is being generated and exceeds the TLV, a respiratory program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.

Ventilation: Local exhaust is recommended when used in enclosed areas, or if the product is heated or agitated. Where concentrations in air may exceed the limits given, and engineering, work practice, or other means of exposure reduction are not adequate, use a NIOSH approved air purifying respirator to limit exposure by inhalation.

Protective Gloves: Neoprene or nitrile gloves recommended to minimize skin contact. Other materials may be used if there is documented evidence of compatibility.

Eye protection: Where contact may occur, or is likely, wear safety glasses with side shields (ANSI Z87.1) or approved equivalent.

Other Protective Clothing: Where contact is possible with hot materials, wear thermal resistant gloves, arm protection and face shield. Use neoprene aprons, overshoes, oversleeves or other impervious clothing as necessary to minimize exposure.

Work Hygienic Practices: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking.

SECTION IX – ADDITIONAL INFORMATION

Transportation Information:

DOT HAZARD LABEL: Not applicable
U.S. Surface Freight Classification: Petroleum Oil, NOIBN

TSCA: This product is listed on the TSCA Inventory.

SARA TITLE III Reporting Requirements:

Section 302: EHS reporting not required

Section 304: Hazardous releases reporting not required

Section 311: Community Right To Know reporting is required if the inventory is above the
Threshold

Planning Quantity

Section 312: R-T-K Inventory data reporting required for inventory above the TPQ

Section 313: Emissions and release reporting may be required for users of this product within
the manufacturing sector. This does not apply to service companies.

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OSHA Hazard Communication Standard:

This product is not hazardous as defined in 29 CFR 1910.1200

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