

HITEMP-100

Inhibited & Stabilized High-Temperature Alkylate-Based Heat Transfer Fluid

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SECTION 1 - IDENTIFICATION

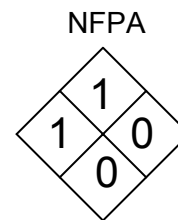
Product Name: HITEMP-100
Product Description: Inhibited and Stabilized High-Temperature Alkylate-Based Heat Transfer Fluid
Chemical Name: C₁₀ - C₁₆ Alkybenzene derivatives
Chemical Family: Alkylaryl Hydrocarbons
Formula: Mixture
Synonyms: Inhibited Alkylate; Inhibited Alkylbenzene (C₁₀ - C₁₆), Heat transfer fluid, coolant
CAS Registry: 68648-87-3
DOT Identification No.: Not regulated
DOT Shipping Name: Not Classified as Hazardous

SECTION 2 - TYPICAL COMPOSITION

<u>MATERIAL</u>	<u>CAS No</u>	<u>% WT</u>	<u>OSHA PEL</u>
C ₁₀ - C ₁₆ Alkylbenzene	68648-87-3	90-99%	None Established
Proprietary Inhibitors	Not applicable	1-10%	Not Applicable

SECTION 3 - HMIS RATINGS

Health: 1
Flammability: 1
Reactivity: 0
Special: 0



0 = minimal 1= slight 2=moderate 3= serious 4= severe

SECTION 4 – PHYSICAL DATA

Appearance and odor: Clear to Cloudy Colorless Liquid, mild odor
Boiling Point (760 mm Hg): 465-475° F
Specific Gravity (water =1): 1.10-1.12
Vapor Density (air =1): >1
Evaporation Rate (Butyl Acetate =1): <0.1
Percent Volatiles by Volume: Nil
Solubility in Water (% by wt): 100% at 20° C
Vapor Pressure (20°C): <0,01 mmHg
pH: 9.0-10.0

SECTION 5 – HEALTH HAZARD DATA

TLV and source:	Not applicable	
Effects of overexposure:	Eyes:	May cause slight transient eye irritation, stinging or redness.
	Skin contact:	Essentially nonirritating to skin. Prolonged contact may cause reddening and itchiness.
	Ingestion:	No evidence of harmful affects from available information.
	Inhalation:	Short-term harmful health effects are not expected from vapor generated at ambient temperature.
Systemic & Other Effects:	None known.	
Emergency and First Aid Procedures:	Eye contact:	Flush eyes with large amounts of water for 15 minutes. If irritation persists, get medical attention.
	Skin contact:	Wash off in flowing water or shower with soap and water. Wash contaminated clothing before reuse.
	Ingestion:	If the victim is fully conscious, give two glasses of water. Do Not induce vomiting. If signs or symptoms of toxicity are present, obtain medical attention.
	Inhalation:	Remove to fresh air. If breathing has stopped, start artificial respiration. Seek medical attention.
Note to Physician:	No specific antidote. Supportive care. Treatment based on judgement of physician in response to reactions of the patient.	

SECTION 6 – FIRE AND EXPLOSION HAZARD DATA

Flash Point:	298-310°F
Method Used:	Cleveland Open Cup
Flammable limits in air (% by volume):	Not Available
Extinguishing media:	Apply alcohol-type or all-purpose type foam for large fires. Use carbon dioxide or dry chemical for small fires.
Special Fire Fighting procedures:	Use self-contained breathing apparatus and protective clothing. Do not direct a solid stream of water into hot, burning pools; this may cause frothing and increase fire intensity.
Unusual Fire and Explosion Hazards:	During a fire, oxides of Nitrogen may be produced.

SECTION 7 – REACTIVITY DATA

Stability (conditions to avoid):	Stable
Incompatibility:	Normally unreactive.
Hazardous decomposition products:	Oxides of carbon and nitrogen.
Hazardous polymerization:	Will not occur.

SECTION 8 – SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled:	Small spills can be flushed with large amounts of water; larger spills should be collected for disposal.
Waste disposal method:	Salvage or burn in approved facilities in accordance with local, state and federal regulations.

SECTION 9 – PERSONAL PROTECTION INFORMATION

Respiratory protection:	None needed at ambient or normal operating temperatures.
Ventilation:	General room ventilation is satisfactory for storage and handling at room temperature. Where exposures at elevated temperatures occur, special, local ventilation is needed.
Protective gloves:	Polyvinyl chloride coated gloves.
Eye protection:	Monogoggles
Other protective equipment:	Eye bath, safety shower.

SECTION 10 – ADDITIONAL PRECAUTIONS

Alkaline irritant:	Avoid contact with skin, eyes and clothing. Do not take internally. Clean up spills immediately.
Precautions to be taken in handling and storage:	Keep containers tightly closed when not in use. Store only in containers that are resistant to alkaline solutions with a pH of 9.0-12.0.

SECTION 11 – GENERAL COMMENTS

THE INFORMATION GIVEN HEREIN IS GIVEN IN GOOD FAITH AND FROM SOURCES WE BELIEVE RELIABLE. BUT NO WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS IS MADE.

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This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not apply.

CONSULT ADDITIVES INC. FOR FURTHER INFORMATION.