

ADINATH CHEMICALS

Material Safety Data Sheet

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Manufacturers/Distributors Name/Address	Emergency/Info Phone No.	TREM Card Ref. No.
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Section 1: Chemical Product and Company Information

Product Name	Transformer Oil
Chemical Family	Petroleum Distillate
Chemical Formula	Not Applicable
CAS Number	64742 – 55-8

Section 2: Composition and Information on Hazardous Ingredients

Ingredient Percentage	CAS Number	Percentage	Hazardous
Severely Hydrotreated	64742 – 55 – 8	99.6 to 99.92	No
Paraffinic Petroleum Oil			

Section 3: Hazard Identification:

Potential Health Effects	
Primary Entry Route	Skin
Inhalation	Inhalation of vapors or mist may be irritating to respiratory passages. Prolonged exposure may result in dizziness and nausea. Target Organ for mineral oil mist is lungs
Eye	Eye contact may result in slight irritation and redness.
Skin	Short term contact with skin is unlikely to cause any problems ; excessive or prolonged and repeated contact and poor hygiene conditions may result in dryness, dermatitis, oil acne, cracking and defatting of the skin. Personnel with pre-existing skin disorders should avoid contact with this product.
Ingestion	May result in nausea or stomach discomfort.

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Section 4: First Aid Measures:

Eye Contact	Flush eyes immediately with plenty of water 15 minutes or until irritation. If redness persists, seek medical help
Skin Contact	Wash thoroughly with soap and water. Remove contaminated clothing. Reuse only after cleaning.
Inhalation	Remove to fresh air. Assist breathing if necessary. Seek medical help
Aspiration	If there is any suspicion of aspiration into the lungs obtain medical advise
Ingestion	If swallowed, observe for signs of stomach discomfort or nausea. If symptoms persist, seek medical help. Do not induce vomiting

Section 5: Fire Fighting Measures:

Flash Point: > 140°C	Flash Point Method: COC
Auto Ignition Temperature	> 315 °C
Lower Explosive Level:	Not Determined
Upper Explosive Level	Not determined
Flammability Classification	OSHA Class III-B Combustible Liquid
Extinguishing Media	Dry Chemical Powder, Foam, CO2 and water or fog. Water may be used to cool below flash point
Unusual Fire or Explosion Hazards	Do not use forced stream as this could cause fire to spread

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Combustion Products	Fumes, Smoke, and Carbon monoxide
Fire-fighting Instruction and Equipment	Use water to cool containers exposed to flames. Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available).

Section 6 - Accidental release Measures

Spill / Leak Procedures	Stop spill at source if possible without risk. Contain spill . Eliminate sources of ignition Spill area will be slick. Recover all possible material for reclamation. Use non-flammable absorbent material to pick up remainder of spill..
Spill to navigable Waters	If this material is spilled into navigable waters and creates a visible sheen, it is reportable to Local Response Centre

Section 7 - Handling and Storage

Handling and storage Precautions	Keep away from flames, sparks or hot surfaces. Never use a torch To cut or weld on or near container. Empty oil containers can contain explosive vapours. NFPA Class IIIB storage. Wash thoroughly after handling
Work / Hygienic Practices	Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Take shower after work if general contact occurs. Remove oil-soaked and launder before reuse. Discard contaminated shoes and leather gloves

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Section 8 - Exposure Controls / Personal Protection

Engineering Controls	Adequate ventilation is required where excessive heating or agitation may occur to maintain concentration below exposures limits
Eye / Face Protection	Safety glasses or face shield where splashing is possible
Skin Protection	Avoid prolonged and or repeated skin contact. If prolonged contact can not be avoided, wear protective gloves (solvent resistant gloves) and clothing..

Section 9 - Physical and Chemical Properties

Appearance	Clear, pale straw to yellow, Heavy liquid
Odour	Mild petroleum odour
Solubility in water	Negligible
Specific Gravity	0.81 – 0.89
p H	Not applicable (Water =1)
% Volatiles by volume @ 21°C (70°F)	Nil
Boiling Point	> 271°C
Melting Point	Not applicable
Vapor Density (Air = 1)	> 5
Vapor Pressure (mm Hg)	0.0059 mm Hg at 100°F
Evaporation Rate	Not applicable

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Section 10 - Stability and reactivity

Stability	Stable under ordinary conditions of use and storage
Polymerization	Polymerization will not occur
Chemical Incompatibilities	Strong oxidizers
Condition to Avoid	Source of ignition
Hazardous Decomposition Products	Combustion may produce carbon monoxide and carbon dioxide

Section 11 - Toxicological Information

Eyes Effects	Minimal irritation on contact
Skin Effects	Practically non – toxic if absorbed. May cause mild irritation with prolonged and repeated exposure
Acute Oral Effects	Tests on similar material indicate low order of acute oral toxicity
Acute Inhalation Effects	Low acute toxicity expected on inhalation

Section 12 - Ecological Information

Environmental Fate :	No information found
Environmental Toxicity	Aquatic toxicity data on mineral oils Indicate LC 50 values of >1000 mg /l. Substances may not meet criteria for ready degradability and components have log P ow values > 3.9. However, chronic toxicity studies show no long term hazard to the aquatic environment

Section 13 - Disposal Considerations

Follow National , State and Local regulations. Not a RCRA hazardous waste if uncontaminated. If “used”, RCRA criteria must be determined. Do not flush to drain/storm sewer. If permitted incineration may be practical. Consider recycling.

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Section 14 - Transport Information

DOT Shipping Label : Not regulated by DOT. Not classified as hazardous goods for land, sea and air transport according to the respective regulations.

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Section 15 - Regulatory Information

CERCLA/SARA:		
302/303/304 categories	Extremely hazardous substances	None
311/312 categories	Immediate(acute) Health Effects	No
	Delayed (chronic) health effects	No
	Fire Hazards	No
313 categories	Toxic Chemicals (40 cFR 372)	None
Clean Air act	Hazardous Air Pollutants (HAPS)	None
	Ozone depleting Compounds (ODC)	None
OSHA (29CFR 1910)	This product is not hazardous under Hazard Communication Standard 29 CFR 1910.1200	
EPA/TSCA Inventory	The components of this product are listed on the EPA/TSCA inventory of Chemicals CAS No: 64742 - 55 - 8	
Foreign Inventories	The components of this product are listed under the following inventories	
CANADA (DSL No.:	64742 - 55 - 8	
European Union's EINICS No.	265 - 158 - 7	
Koreas'a ECL No.	KE - 12552	
Australia's ACS No.	64742 - 55 - 8	

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Philippines'PICCS - on list

Section 16 - Other Information

Product Use	For insulation & Coolant media in Transformers.
Hazard Rating NFPA/HMIS Classification	0 = Least 1 = Slight 2 = Moderate Health = 1 3 = High 4 = Extreme Fire = 1 Reactivity = 0
Date of Revision : 4th June, 2014	Revision Number : 03

Disclaimer :

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