

**Chemical Product & Company Identification:**

<b>Product or Trade Name</b>	Transformer Oil	
<b>Product Code No.</b>	RPO	
<b>Product Class</b>	Petroleum Distillate	
<b>Chemical Name</b>	Mixture of highly purified petroleum oils.	
<b>FEMA No.- -----</b>	<b>CAS No.</b> 64742-55-8	<b>Formula:</b> Mix. of Hydrocarbons
<b>Manufacturers/Distributors Name/Address : Derlan Chemicals</b>		
B4, Kalpataru Arcade, Nirnay Nagar Road, Ranip, Ahmedabad – 382480, Gujarat, India Mobile: +91-9687546102		

**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			

**Hazard Identification:**

<b>Potential Health Effects</b>	
<b>Primary Entry Route</b>	Skin
<b>Inhalation</b>	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
<b>Eye</b>	Eye contact may result in slight irritation and redness.
<b>Skin</b>	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.
<b>Ingestion</b>	May result in nausea or stomach discomfort.

**First Aid Measures:**

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

**Fire Fighting Measures:**

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

<b>Combustion Products</b>	Fumes, Smoke, and Carbon monoxide
<b>Fire-fighting Instruction and Equipment</b>	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).

**Accidental release Measures**

<b>Spill / Leak Procedures</b>	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..
<b>Spill to navigable Waters</b>	If this material is spilled into navigable waters and creates a visible sheen, it is reportable to Local Response Centre

## Handling and Storage

<b>Handling and storage Precautions</b>	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
<b>Work / Hygienic Practices</b>	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

## Exposure Controls / Personal Protection

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

## Physical and Chemical Properties

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

Conforms to Regulation (EC) No. 1907/2006 (REACH)

## Stability and reactivity

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

## Toxicological Information

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

## Ecological Information

<b>Environmental Fate :</b>	No information found
<b>Environmental Toxicity</b>	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

## 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.

## 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.

**Conforms to Regulation (EC) No. 1907/2006 (REACH)**

## Regulatory Information

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

## Philippines' PICCS - on list

## Other Information

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

## Disclaimer

The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. It is the responsibility of the user to determine the suitability of the material for their purpose. No warranty is expressed or implied, is given.