



Section 1 – Chemical Product and Company Identification			
Product Name	: POWER OIL TRANSFORMER OIL 1020 BS X.		
Chemical Family	: Petroleum Distillate.		
Chemical Formula	: Not Applicable		
CAS Number	: 64742 - 53 - 6		
Company Details	: Apar Industries Limited, 18 T.T.C M.I.D.C Indl. Area , Rabale , Navi Mumbai, Thane Belapur Road , Thane – 400701. India.		
Company Contact	: Phone Number : + 91 - 22 - 27694756 / 27694757 Fax Number : + 91 - 22 - 27602692		
EMERGENCY TELEPHONE NUMBER : Apar Industries Limited : + 91 - 0 - 9833811132			
Section 2 - Composition And Information On Hazardous Ingredients			
Ingredient	CAS Number	Percentage	Hazardous
Severely Hydrotreated Naphthenic Petroleum Oil.	64742 - 53 - 6	99.6 to 99.92	No
Inhibitor	128 - 37 - 0	0.08 to 0.4	No
Section 3 - Hazardous 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 many 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.		
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 wand 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 induce vomiting.		
Section 5 - Fire Fighting Measures			
Flash Point	: > 140 °C	Flash Point Method : COC	
Auto ignition Temperature	: > 315°C		
Lower Explosive Level (LEL)	: Not determined	Upper Explosive Limit (UEL) : Not determined	
Flammability Classification	: OSHA Class III-B Combustible Liquid		
Extinguishing Media	: Dry Chemical Powder, Foam, CO ₂ 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.		
Combustion Products	: Fumes, Smoke, and Carbon monoxide.		
Fire-fighting Instruction and Equipment : Use waste 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 vapors. 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.	
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..	
Respiratory Protection : Normally not required. Respirator should be used in areas where vapor concentration are excessive due to high temperatures or where oil misting occurs.	
Section 9 - Physical and Chemical Properties	
Appearance	: Clear, pale straw to yellow, Heavy liquid
Odor	: Mild petroleum odor. Solubility in water : Negligible .
Specific Gravity (Water =1)	: 0.81 – 0.89 pH : Not applicable.
% 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.	
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	: No information found.
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.	
Section 14 - Transport Information	
DOT Shipping Label	: Not regulated by DOT
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 - 53 - 6
Foreign Inventories	: The components of this product are listed under the following inventories : CANADA DSL No.: 64742 - 53 - 6 European Union’s EINICS No. 265 - 156 - 6 Koreas’a ECL No. KE - 12552 Australia’s ACS No. 64742 - 53 - 6 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 3 = High 4 = Extreme	Health = 1 Fire = 1 Reactivity = 0
Prepared By	: SHE Department , Apar Industries Limited.
Date of Revision	: 12 th March , 2009
	Revision Number : 04

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