COLUMBIA PETRO CHEM PVT. LTD.

MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC,Article 31
(COMMISION REGULATION(EU)No.453/2010 dtd.20/05/2010)

Section 1 – Chemical Product and Company Identification

Product Name : MINERAL OIL HEAVY 68 USP
Chemical Family : Petroleum Distillate.
Application of the substance/the preparation – Use in Pharma/Cosmetic,Food Industry,other Industries for specific purpose.
Chemical Formula : Not Applicable.
CAS Number : 8042-47-5
Manufacturer : Columbia Petro chem. Pvt. Ltd. Plot No J-14 MIDC IND. Area, Taloja, Dist-Raigad.
Company Contact : Phone Number : +91-22- 27412735 / 0816
EMERGENCY TELEPHONE NUMBERS : COLUMBIA PETRO CHEM PVT. LTD. :+91-22-26462313/2915

Section -2 Hazardous Identification

Potential Health Effect
Primary Entry Rout : 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 condition many result in dryness, dermatitis, oil acne, cracking of the skin. Personnel with pre-existing skin disorders should avoid contact with this product.
Ingestion : May result in nausea or stomach discomfort.

Hazard Ranking-

	HMIS	NFPA
Health Hazard	0	0
Fire Hazard	1	1
Reactivity	0	0

Section -3 Composition And Information On Ingredients

Ingredients	CAS Number	Percentage	EINECS
Severely Hydro-treated Petroleum Oil.	8042-47-5	100	232-455-8

Section -4 First Aid Measures

Eye Contact : Flush eyes immediately with plenty of water 15 minute or until irritation .If redness persist seek medical help .
Skin Contact : Wash thoroughly with soap 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 : > 220^{0}C , COC (Method)
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 ,CO2 and water or fog. Water may be used to cool below the 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.
Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent ;large spills may require pump or vacuum prior to absorbent May require excavation of severely contaminated soil. Avoid direct contact with skin and eyes.

Spill to navigable Waters : If this material is spilled into navigable waters and creates a visible seen, it is reportable to Local Response Centre.

Personal protective equipment should be worn, include a laboratory coat & safety glasses.
In natural environments seek cleanup advice from specialties to minimize physical habitat damage.

Section -7- Handling and Storage.

Handling and Storage Precautions.: Keep away from flames, spark or hot surfaces. Never use 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 hand 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 gloves.
Storage-Keep container closed. Do not store with strong oxidizing agents .Do not store at temperature 120 ^{o}F or in direct sunlight for extended period of time. Open container carefully and only in well-ventilated areas or use appropriate respiratory protection .Store in well ventilated area.

Section -8- Exposure Controls / Personal protection

Engineering Control : 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 ,colorless ,heavy liquid
Solubility in water : Negligible.
Specific Gravity @ 25^{0}C : 0.845 - 0.905

Kin.Viscosity@40^{0}C : 65 - 75 cSt.
PH : Not applicable.

% Volatiles by volume @ 21^{0}C (70^{0}F) : Nil
Melting Point : Not applicable
.

Section -10- Stability and reactivity

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

Section -11- Toxicological Information

Eye Effect : Minimal irritation on contact.
Skin Effects : Practically non –toxic if absorbed. May cause mild irritation
Acute Oral Effect : Test on similar material indicate low order of acute oral toxicity.
Acute Inhalation Effect : Low acute toxicity expected on inhalation.

Section -12- Ecological information

Environmental Fate : No specific ecological data are available.
Environmental Toxicity : No specific ecological data are available.
Products of Biodegradation :
Possibly hazardous short term degradation products are not likely. However ,long term degradation products may arise.
Persistence and degradability : The product is not excepted to be readily bio-degradable.
Bio-accumulative potential : No data available
Mobility in soil : No data available
Result of PBT and vPvB assessment- PBT : Not Applicable
vPvB : Not Applicable

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 to drain/ storm sewer. If permitted incineration may be practical. Consider recycling.

Section -14- Transport Information

DOT DESCRIPTION:
This product is not a hazardous material according to DOT regulations for ground transportation.

ICAO / IATA DESCRIPTION:
This product is not a dangerous good as defined by IATA for air transportation.

IMO DESCRIPTION (IMDG CODE):
This product is not a dangerous good as defined by IMO in the IMDG Code for water transportation.

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 effect Fire Hazard	: No
313 categories	**:** Toxic Chemicals (40 Cfr 372)	: None
Clean Air act	**:** Hazardous Air Pollutants (HAPS)	: None
	: Ozone depleting Compounds (ODC)	: None

EPA/TSCA Inventoty : 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 chemical
CAS No : 8042-47-5

Section -16- Other Information

Hazard Rating
O= Least 1= Slight 2= Moderate
3= High 4 = Extreme

NFPA / HMIS Classification
Health = 1
Fire = 1
Reactivity = 0

Prepared By : SAFETY Department ,COLUMBIA PETRO CHEM PVT. LTD.
Date of Revision: 04/08/2017 **Revision Number : 04**

Disclaimer:

The information contained here 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.