MATERIAL SAFETY DATA SHEET- EXXSOL D130 FLUID

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name : **EXXSOL D130 FLUID**
Product Description : Dearomatised Hydrocarbons
Intended Use : Solvent

COMPANY IDENTIFICATION

Supplier: **PON PURE CHEMICALS GROUP**
CHENNAI, TAMILNADU, INDIA
24 Hour Health Emergency (91) 8939878447
(91) 9444038694
Transportation Emergency Phone (91) 9444038517

Company Name	Place	EMERGENCY TELEPHONE NUMBER
Pon Pure Chemicals Group	CHENNAI	Day Emergency – 044-26161803-26161809

This (M) SDS is a generic document with no country specific information included.

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

This material is regulated as a complex substance.

Hazardous Substance(s) or Complex Substance(s)

Name	CAS#	oncentration*	Symbols/Risk Phrases
DISTILLATES, PETROLEUM, HYDROTREATED MIDDLE	64742-46-7	100%	Xn;R65, R66

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

SECTION 3 HAZARDS IDENTIFICATION

This material is considered to be hazardous according to regulatory guidelines (see (M) SDS Section 15).
CLASSIFICATION: | Xn; R65 | R66 |
PHYSICAL / CHEMICAL HAZARDS

Material can release vapours that readily form flammable mixtures. Vapour accumulation could flash and/or explode if ignited. Material can accumulate static charges, which may cause an incendiary electrical discharge.

HEALTH HAZARDS

Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. May be irritating to the eyes, nose, throat, and lungs.
Note: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

SECTION 4 FIRST AID MEASURES

INHALATION

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

SKIN CONTACT

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

EYE CONTACT

Flush thoroughly with water. If irritation occurs, get medical assistance.

INGESTION

Seek immediate medical attention. Do not induce vomiting.

NOTE TO PHYSICIAN

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Inappropriate Extinguishing Media: Straight streams of water

FIRE FIGHTING

Fire Fighting Instructions: Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Hazardous Combustion Products: Incomplete combustion products, Smoke, Fume, Oxides of carbon

FLAMMABILITY PROPERTIES

Flash Point [Method]: >129C (264F) [ASTM D-93]

Flammable Limits (Approximate volume % in air): LEL: 0.5 UEL: 4.4

Auto ignition Temperature: 241°C (466°F) [Approximate]

SECTION 6 ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

PROTECTIVE MEASURES

Avoid contact with spilled material. See Section 5 for firefighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for Personal Protective Equipment.

SPILL MANAGEMENT

Land Spill: Stop leak if you can do so without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent.

Water Spill: Stop leak if you can do so without risk. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

ENVIRONMENTAL PRECAUTIONS

Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

SECTION 7 HANDLING AND STORAGE

HANDLING

Avoid contact with skin. Use proper bonding and/or earthing procedures. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source).

Loading/Unloading Temperature: [Ambient]
Transport Temperature : [Ambient]
Transport Pressure : [Ambient]
Static Accumulator : This material is a static accumulator.

STORAGE

Do not store in open or unlabelled containers. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

Storage Temperature : [Ambient]
Storage Pressure : [Ambient]
Suitable Containers/Packing : Tank Trucks; Railcars; Barges; Drums
Suitable Materials and Coatings: Carbon steel; Stainless steel; Polyethylene; Polypropylene; Teflon
Unsuitable Materials and Coatings: Natural rubber; Butyl rubber; Ethylene-proplyene-diene monomer (EPDM); Polystyrene

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Exposure limits/standards (Note: Exposure limits are not additive)

Substance Name	Form	Limit/Standard			Note	Source	Year
DISTILLATES, PETROLEUM, HYDROTREATED MIDDLE	Aerosol.	TWA	5 mg/m3			ExxonMobil	2007

Exposure limits/standards for materials that can be formed when handling

this product: When mists / aerosols can occur, the following are recommended: 5 mg/m³ - ACGIH TLV, 10 mg/m³ - ACGIH STEL.
NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

ENGINEERING CONTROLS
The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider:
Adequate ventilation should be provided so that exposure limits are not exceeded.

PERSONAL PROTECTION
Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:
Half-face filter respirator Type P filters material.
For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Hand Protection: Any specific glove information provided is based on published literature and glove manufacturer data. Work conditions can greatly affect glove durability; inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:
If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Nitrile

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:
If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

ENVIRONMENTAL CONTROLS
See Sections 6, 7, 12, 13.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

GENERAL INFORMATION

Physical State : Liquid

Form : clear
Colour : Colourless
Odour : mild petroleum/solvent
Odour Threshold : N/D

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Relative Density (at 15.6 C) : 0.83
Density (at 15 ºC) : 824 kg/m³ (6.88 lbs/gal, 0.82 kg/dm³)
Flash Point [Method] : >129C (264F) [ASTM D-93]
Flammable Limits (Approximate volume % in air): LEL: 0.5 UEL: 4.4
Auto ignition Temperature : 241°C (466°F) [Approximate]
Boiling Point / Range : 275C (527F) - 318C (604F)
Vapour Density (Air = 1) : > 1 at 101 kPa
Vapour Pressure : < 0.001 kPa (0.01 mm Hg) at 20 C | < 0.001 kPa (0.01 mm Hg) at 38C, 0.003 kPa (0.02 mm Hg) at 50C
Evaporation Rate (N-Butyl Acetate = 1): < 0.01
pH : N/A
Log Pow (n-Octanol/Water Partition Coefficient): N/D
Solubility in Water : Negligible
Viscosity : 4.1 cSt (4.1 mm2/sec) at 40 C | 6.89 cSt (6.89 mm2/sec) at 25C
Oxidising properties : See Sections 3, 15, 16.

OTHER INFORMATION

Freezing Point : N/D
Melting Point : N/D
Pour Point : -6°C (21°F)
Molecular Weight : 229 [Approximate]
Hygroscopic : No
Coefficient of Thermal Expansion: 0.0007 V/V/DEG C

SECTION 10 STABILITY AND REACTIVITY

STABILITY : Material is stable under normal conditions.
CONDITIONS TO AVOID : Open flames and high energy ignition sources.
MATERIALS TO AVOID : Strong oxidisers
HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.
HAZARDOUS POLYMERIZATION : Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity

Route of Exposure	**Conclusion / Remarks**
INHALATION	
Toxicity: Data available.	Minimally Toxic. Based on test data for structurally similar materials.
Irritation: Data available.	Negligible hazard at ambient/normal handling temperatures. Based on test data for structurally similar materials.

INGESTION	
Toxicity: LD50 > 15000 mg/kg	Minimally Toxic. Based on test data for the material.
Skin	
Toxicity: LD50 > 3160 mg/kg	Minimally Toxic. Based on test data for the material.
Irritation: Data available.	Mildly irritating to skin with prolonged exposure. Based on test data for structurally similar materials.
Eye	
Irritation: Data available.	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials.

CHRONIC/OTHER EFFECTS
For the product itself:

Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

Additional information is available by request.
IARC Classification:
The Following Ingredients are Cited on the Lists Below: None.
--REGULATORY LISTS SEARCHED--
1 = IARC 1 2 = IARC 2A 3 = IARC 2B

SECTION 12 ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY

Material -- Not expected to be harmful to aquatic organisms.
Material -- Not expected to demonstrate chronic toxicity to aquatic organisms

MOBILITY

Material -- Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

PERSISTENCE AND DEGRADABILITY

Biodegradation:

Material -- Expected to be readily biodegradable.

Hydrolysis:

Material -- Transformation due to hydrolysis not expected to be significant.

Photolysis:

Material -- Transformation due to photolysis not expected to be significant.

Atmospheric Oxidation:

Material -- Expected to degrade rapidly in air

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

Empty Container Warning Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

SECTION 14 TRANSPORT INFORMATION

LAND : Not Regulated for Land Transport
SEA (IMDG) : Not Regulated for Sea Transport according to IMDG-Code
AIR (IATA) : Not Regulated for Air Transport

SECTION 15 REGULATORY INFORMATION

Material is hazardous as defined by the EU Dangerous Substances/Preparations Directives.

EU CLASSIFICATION: Harmful. The classification of this product is based all or in part on test data.

EU LABELING:

Symbol: Xn

Harmful.

Nature of Special Risk: R65; Harmful: may cause lung damage if swallowed. R66; Repeated exposure may cause skin dryness or cracking.

Safety Advice: S23; Do not breathe gas/fumes/vapour/spray S24; Avoid contact with skin. S62; If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains: DISTILLATES, PETROLEUM, HYDROTREATED MIDDLE

REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS

Complies with the following national/regional chemical inventory requirements: AICS, IECSC, DSL, EINECS, KECI, PICCS, TSCA

SECTION 16 OTHER INFORMATION

N/D = Not determined, N/A = Not applicable
KEY TO THE RISK CODES CONTAINED IN SECTION 2 AND 3 OF THIS DOCUMENT (for information only):
R65; Harmful: may cause lung damage if swallowed.
R66; Repeated exposure may cause skin dryness or cracking.

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:
Revision Changes:
Section 05: Fire Fighting Measures - Fire Fighting Instruction was modified.
Section 06: Protective Measures was modified.
Section 13: Empty Container Warning was modified.
Section 09: Phys/Chem Properties Note was modified.
Section 08: Hand Protection was modified.
Section 07: Handling and Storage - Handling was modified.
Section 01: Company Mailing Address was modified.
Section 01: Company Mailing Address was modified.
Hazard Identification: Physical/Chemical Hazard was modified.
Section 06: Accidental Release - Spill Management - Water was modified.
Section 09: Viscosity was modified.
Section 09: Viscosity was modified.
Hazard Identification: Classification was modified.
Composition: Substances Table - Header was modified.
Section 08: Exposure Limits Table was modified.
Section 01: Company Contact Methods Sorted by Priority was modified.
Section 01: Indent Secondary Companies Table was modified.

Other Information

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