



# SAFETY DATA SHEET

Page : 1 of 10  
Revision No : 4  
Date : OCT, 28 2025

PRODUCT NAME : CEYPETCO Hypertrans  
IEC 60296: 2020

## SECTION 1 IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

### PRODUCT DETAILS

Product Type : Uninhibited Mineral Insulating Oil  
Oil category : Mineral  
Chemical Family : Hydrocarbon petroleum  
Use : Oil filled Transformers and switchgear  
Synonym : Uninhibited Transformer Oil

### COMPANY IDENTIFICATION

Supplier's Name : Ceylon Petroleum Corporation  
Supplier's Address : No. 609, Dr Danister De Silva  
Mawatha, Baseline Road, Dematagoda  
Colombo-09

Emergency Tel. No. : +94-11 5455455  
Fax No. : +94-11 5455400

CONTACT PERSON

## SECTION 2 HAZARDS IDENTIFICATION

### HEALTH HAZARDS

Physical Hazards : NOT CLASSIFIED  
Health Hazards : Aspiration Hazard Category 1  
Environmental Hazards : NOT CLASSIFIED  
OSHA Defined Hazards : NOT CLASSIFIED  
Label Elements :



Signal Word : Danger



# SAFETY DATA SHEET

Page : 2 of 10  
Revision No : 4  
Date : OCT, 28 2025

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IEC 60296: 2020

**Hazard Statement** : Not Available

**Prevention** : DO NOT breathe gas/mist/vapors/spray

**Response** : DO NOT induce vomiting. IF SWALLOWED:  
Immediately call a POISON CENTRE or doctor/ physician.

**Storage** : Store locked up

**Disposal** : Dispose of the contents/container to an treatment  
and disposal facility in accordance with applicable  
laws and regulations, and product characteristics at time  
of disposal.

Hazard(s) not otherwise  
Classified (HNOCC) : None known

Supplemental Information : None

Other Hazards which do not  
result in classification : Not classified as flammable but will burn

Prolonged or repeated skin contact without proper cleaning  
can clog the pore of the skin resulting in disorders such as  
oil acne / folliculitis. Used oil may contain harmful impurities

## SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

General product description : Highly refined mineral oils

Chemical Name	CAS No	Hazard Class	Hazard Statement	% Wt
Hydrotreated oil	64742-53-6	Asp. Tox 1	H304	100

UN No. : Not applicable

Additional Information : The highly refined mineral oil contain < 3% (W/W)  
DMSO- extract, according to IP346

**H304** : May be fatal if swallowed and enter airways



# SAFETY DATA SHEET

Page : 3 of 10  
Revision No : 4  
Date : OCT, 28 2025

PRODUCT NAME : CEYPETCO Hypertrans  
IEC 60296: 2020

## SECTION 4 FIRST AID MEASURES

General Information	: Not expected to be a health hazard when used under normal conditions
Eye Contact	: Flush eyes with plenty of water until irritation subsides. If persistent irritation occurs, get immediate medical attention.
Skin contact	: Remove contaminated clothing /shoes and wipe excess from skin. Flush exposed area with water and follow by washing with soap and water. If irritation occurs, get medical attention promptly to prevent serious injury.
Inhalation	: Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.
Ingestion	: Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Get medical attention.
Most Important Symptoms/ Effects, Acute & Delayed	: Oil acne / folliculitis signs and symptoms may include formation black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and /or diarrhea.
Immediate medical attention, Special treatment	: Treat symptomatically

## SECTION 5 FIRE FIGHTING MEASURES

Specific hazards arising from	: Hazardous combustion products may include : Incomplete combustion can produce smoke and Carbon monoxide.
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### FIRE FIGHTING INSTRUCTION AND EQUIPMENT

SUITABLE EXTINGUISHING MEDIA	: Foam, Dry chemical powder, CO <sub>2</sub> , Sand or earth may be used for small fires only. Large fires are best controlled by foam.
UNSUITABLE EXTINGUISHING MEDIA.	: Do not use water in a jet
PROTECTIVE EQUIPMENT & PRECAUTIONS FOR FIRE FIGHTERS	: Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.



# SAFETY DATA SHEET

Page : 4 of 10  
Revision No : 4  
Date : OCT, 28 2025

PRODUCT NAME : CEYPETCO Hypertrans  
IEC 60296: 2020

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Section 8 of this Safety Data Sheet. See Section 13 for information on disposal. Observe the relevant local and international regulations.

- Personal Precaution, Protective Equipment and Emergency Procedures : Evacuate personnel to safe area. Evacuate non-essential personnel. Wear proper protective equipment
- Environmental Precautions : Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers.
- Method and Material for Containment and clean up : Slippery when spilt. Avoid accidents, clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.
- Additional Advice : Local authorities should be advised if significant spillages cannot be contained.

## SECTION 7 HANDLING AND STORAGE

- General Precautions : Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.
- Precautions for Safe Handling : Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/ or mists. When handling products In drums, safety footwear should be worn and proper Handling equipment should be used.
- Condition for Safe Storage : Keep container tightly closed and store in a cool, dark, well ventilated place. Use properly labeled and closeable containers. Keep away from heat, ignition source and sunlight . Storage Temperature : 0 - 50°C / 32 - 122 °F.
- Recommended Materials : For containers or container linings, use mild steel or high density polyethylene.



# SAFETY DATA SHEET

Page : 5 of 10  
Revision No : 4  
Date : OCT, 28 2025

PRODUCT NAME : CEYPETCO Hypertrans  
IEC 60296: 2020

Unsuitable Materials : PVC

Other Advice : Polyethylene containers should not be exposed to high temperature because of possible risk of distortion.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

If the American Conference of Government Industrial Hygienists (ACGIH) value is provided on this document, it is provided for information only

Contains mineral oil and heat sensitive material. Under certain conditions (open heating and/or mechanical shear), the following component(s) with recognized or recommended OEL value may be released:

Hydrogen sulfide ; TWA: 10ppm, STEL: 15ppm, ACGIH (2002)

Mineral Oil Mist ; TWA: 5 mg/m<sup>3</sup>, STEL: 10 mg/m<sup>3</sup>, for oil mist, vapour excluded, ACGIH (2002)

Appropriate Engineering Controls : The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate ventilation to control airborne concentration. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

Individual Protection Measures : Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Respiratory Protection : No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours [boiling point >65°C (149 °F) ]

Hand Protection : Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US:F739) made from the following materials may provide suitable chemical protection; PVC, neoprene or nitrile rubber gloves.



# SAFETY DATA SHEET

Page : 6 of 10  
Revision No : 4  
Date : OCT, 28 2025

PRODUCT NAME : CEYPETCO Hypertrans  
IEC 60296: 2020

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, and dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application on non-perfumed moisturizer is recommended.

Eye Protection	:	Safety glasses. If potential for splash or mist exists, wear chemical goggles or full face shield.
Protective Clothing	:	Skin protection not ordinarily required beyond standard issue work clothes.
Thermal Hazard	:	Not applicable
Monitoring Methods	:	Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace maybe required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.
Environmental Exposure Control	:	Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear , Liquid at room temperature
Odour	:	Slight hydrocarbon
Odour threshold	:	Data not available
pH	:	Not applicable
Melting point/freezing point	:	Not applicable
Initial Boiling Point and boiling Range	:	No data available
Pour point	:	< - 50.0°C
Flash point	:	> 135°C (PMCC)
Evaporation rate	:	Data not available
Upper/lower flammability or Explosion limits	:	Lower 1 Upper 7( in air, vol%)
Auto-ignition temperature	:	Data not available
Vapour pressure	:	Not applicable
Vapour Density	:	No data available
Relative Density	:	
Density	:	Max 0.895 at 20 °C
Water solubility	:	Negligible
n-octanol/water partition coefficient	:	No data available



# SAFETY DATA SHEET

Page : 7 of 10  
Revision No : 4  
Date : OCT, 28 2025

PRODUCT NAME : CEYPETCO Hypertrans  
IEC 60296: 2020

Decomposition temperature : No data available  
Kinematic Viscosity : Max 12 cSt  
@ 40 (Deg C)

## SECTION 10 STABILITY AND REACTIVITY

Chemical Stability : Stable under normal temperature and pressure  
Possibility of Hazardous reaction : Data not available  
Conditions to Avoid : Extremes of temperature and direct sunlight.  
Incompatible Materials : Strong Oxidising agents.  
Hazardous decomposition : Upon decomposition, this product emits carbon monoxide, carbon dioxide and /or low molecular weight hydrocarbons

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on Toxicological effects

Basis for Assessment : Information given is based on data on the components and the toxicology of similar products.  
Likely Routes of Exposure : Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.  
Acute Oral Toxicity : Expected to be of low toxicity: LD50 > 5000 mg/kg, Rat  
Acute Dermal Toxicity : Expected to be of low toxicity: LD50 > 5000 mg/kg, Rabbit  
Acute Inhalation Toxicity : Not considered to be an inhalation hazard under normal conditions of use. LC50 > 5mg/L, Rat  
Skin Corrosion/Irritation : Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.  
Serious Eye Damage/Irritation : Expected to be slightly irritating.  
Respiratory Irritation : Inhalation of vapours or mists may cause irritation.  
Respiratory or Skin Sensitisation : Not expected to be sensitizer  
Aspiration Hazard : May be an aspiration hazard, so that if swallowed small amounts can produce toxic and potentially lethal effects in the lungs.  
Germ Cell Mutagenicity : Not considered a mutagenic hazard.  
Carcinogenicity : OSHA : This material is listed as Group 3 IARC  
EU : The classification as a carcinogen need not apply.  
Reproductive and Developmental Toxicity : Not expected to be hazard.  
Specific target organ toxicity - single exposure : Not expected to be hazard.  
Specific target organ toxicity - repeated exposure : Not expected to be hazard.  
Additional information : Used oil may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to



# SAFETY DATA SHEET

Page : 8 of 10  
Revision No : 4  
Date : OCT, 28 2025

PRODUCT NAME : CEYPETCO Hypertrans  
IEC 60296: 2020

health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible.

## SECTION 12 ECOLOGICAL INFORMATION

- Basis for Assessment : Ecotoxicological data have not been determined specifically for this product. Information given is based on knowledge of the components and the ecotoxicology of similar products.
- Acute Toxicity : In a static acute limit test, fathead minnow were exposed to the Water Accommodated Fraction (WAF) of a similar substance to the product at a nominal concentration of 100 mg/L :  $LL_{50}$  (fish, 96h,)  $\geq$  100mg/L ; NOEL (fish, 14d)  $\geq$  100mg/L.  
In static Daphnia magna test, animal were exposed to the WAF of a similar substance to the product at nominal concentrations of up to 10,000mg/L:  $EL_{50}$  (48h) and NOEL were greater than 10,000 mg/L. Thus, the similar base oil WAF is generally non-toxic.
- Microorganisms : Data not available
- Mobility : Lubricating oils components have estimated  $\log K_{oc} > 3$ , indicating these components are likely to be adsorbed onto soil and sediment and are not likely to leach to ground water.
- Persistence/degradability : Another lubricant base oil was determined to be inherently biodegradable but not readily biodegradable, with a mean degradation of 31% by day 28.
- Bioaccumulative Potential : The bioconcentration values estimated for components of lubricating oils suggest some bioaccumulation potential for some components.
- Other Adverse Effects : Product is not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

## SECTION 13 DISPOSAL CONSIDERATIONS

- Material Disposal : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.
- Container Disposal : Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand.
- Local Legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations.





# SAFETY DATA SHEET

Page : 9 of 10  
Revision No : 4  
Date : OCT, 28 2025

PRODUCT NAME : CEYPETCO Hypertrans  
IEC 60296: 2020

## SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situation.

DOT Proper Shipping name	:	Not Applicable
IMDG Proper Shipping name	:	Not Applicable
ICAO Proper Shipping name	:	Not Applicable
TDG Proper Shipping name	:	Not Applicable
NFPA Proper Shipping name	:	Class 1
UN Number	:	Not Applicable
IATA	:	Not Applicable

## SECTION 15 REGULATORY INFORMATION

The U.S.TSCA inventory;  
All components of this material are on the US TSCA Inventory.

The EC EINECS inventory;  
All components of this material are on the EC EINECS Inventory.

The CANADA DSL inventory;  
All components of this material are on the DSL Inventory.

The AUSTRALIA AICS Inventory;  
All components of this material are on the AICS Inventory.

The KOREA TCCL  
All components of this material are on the TCCL Inventory.

The PHILIPPINE PICC inventory;  
All components of this material are on the PICCS Inventory.



# SAFETY DATA SHEET

Page : 10 of 10  
Revision No : 4  
Date : OCT, 28 2025

PRODUCT NAME : CEYPETCO Hypertrans  
IEC 60296: 2020

## SECTION 16 OTHER INFORMATION

SDS Revision Number : 3

SDS Effective Date : 27/10/2025

SDS Regulation : The content and format of this safety data sheet is in accordance with DOSH Malaysia - Industry Code of Practice 2014

SDS Distribution : The information in this document should be made available to all who may handle the product.

The information contained in this data sheet is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.