



LUBRICANTS™

POWER TO PERFORM™

MATERIAL SAFETY DATA SHEET

HP MILCY NO 1 15W 40

Product Code : 2098
 MSDS No. :
 Date of Issue : September 2019
 Status :

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier : HP MILCY NO 1 15W 40
 Viscosity Grade : SAE 15W 40
 Product Code : 2098

Relevant identified uses of the substance or mixture and uses advised against : Engine oil (lubricant).

This oil should not be used for any other purpose than the intended use as an engine oil without expert advice.

Details of the supplier of the safety data sheet : Hindustan Petroleum Corporation Limited
10th Floor, 'A' Wing, Marathon Futurex, N.M. Joshi Marg, Lower Parel (East), Mumbai 400013, India.

For details log on to : www.hplubricants.in

Email : lubescare@hpcl.in

Toll Free : 1800 121 4725

2. HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE : Not classified as dangerous under EC criteria

MOST IMPORTANT ADVERSE PHYSICO-CHEMICAL EFFECTS : Combustible liquid

MOST IMPORTANT ADVERSE HUMAN HEALTH EFFECTS : Sensitising substances; allergic reactions possible

MOST IMPORTANT ADVERSE ENVIRONMENTAL EFFECTS : No specific risk for the environment.

LABEL ELEMENTS:

Safety advices : Do not empty into drains; dispose of this material and its container in a safe way.

Other hazards : During use in engines, contamination of oil with low levels of cancer-causing combustion product occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water. Avoid prolonged contact with used motor oil. Overexposure to oil mist may cause respiratory irritations. Oil mist deposited on surfaces may cause slip hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION

Mixture of highly refined mineral oils and additives.

The highly refined mineral oil contains < 3% (W/W) DMSO extract by IP 346)

COMPOSITION OF THE MIXTURE:

Reportable Hazardous Substance(s) or Complex Substance(s)

SUBSTANCE NAME	CAS NO	CONTENT
Highly refined mineral base oils, Petroleum distillates- solvent distilled/ hydrotreated/ solvent dewaxed heavy paraffinic / residual oils*	*Contains one or more of the following CAS Numbers: 64741-88-4, 64742-54-7, 64742-55-8, 64742-56-9, 64742-53-6, 64742-62-7, 64742-65-0	> 80 %
Phosphorodithioic acid, o, o di-c1-14-alkyl esters, zinc salt	68649-42-3	0 - 20 %
Dodecylphenol, mixed isomers (branched)	104-43-8	
Calcium branched chain alkyl phenate sulfide	90480-91-4	
Calcium long chain alkaryl sulphonate	68610-84-4	

4. FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

After inhalation : Assure fresh air breathing. If you feel unwell, seek medical advice.

After contact with skin : Remove contaminated clothing and shoes. Wash skin thoroughly with mild soap and water. Never use kerosine or gasoline for cleaning the skin.



LUBRICANTS™

POWER TO PERFORM™

MATERIAL SAFETY DATA SHEET

HP MILCY NO 1 15W 40

Product Code : 2098
MSDS No. :
Date of Issue : September 2019
Status :

After contact with the eyes : Rinse immediately with plenty of water. Seek medical attention if irritation develops.
After ingestion : Do not induce vomiting. Seek medical attention immediately.

Most important symptoms and effects, both acute and delayed : Symptoms of overexposure to vapours include drowsiness, weakness, headache, dizziness, nausea, vomiting, dimming of vision.

Indication of any immediate medical attention and special treatment needed: The ingestion of lubricating oils is an unlikely event. No specific therapy is indicated in view of the very low toxicity of the base oil(s) and other components. Treat with supportive measures as appropriate to the patient's condition.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water fog. Carbon dioxide. Foam. Dry chemical product

Extinguishing media which shall not be used for safety reasons : Do not use a heavy water stream.

Special hazards arising from the substance or mixture : Under fire conditions, hazardous fumes will be present

Advice for firefighters : Wear self-contained breathing apparatus, rubber boots and thick rubber gloves. Do not enter fire area without proper protective equipment, including respiratory protection. Use water spray or fog for cooling exposed containers. Avoid fire-fighting water to enter environment.

6. ACCIDENTAL RELEASE MEASURE

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

For non-emergency personnel : Evacuate unnecessary personnel.

For emergency responders : Equip cleanup crew with proper protection. Wear suitable protective clothing, gloves and eye or face protection. Remove ignition sources.

Environmental precautions : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect. Use suitable disposal containers.

Reference to other sections : See Heading 8

7. HANDLING AND STORAGE

Precautions for safe handling : Keep away from sources of ignition. No naked lights. No smoking. Use only in well ventilated areas. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with soap and water before leaving work.

Conditions for safe storage, including any incompatibilities : Store this product in a dry location where it can be protected from the elements. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame, strong oxidizers, radiations, and other initiators. Keep at temperature not exceeding 50°C.

Specific end use(s) : Use only as engine oil.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

Occupational exposure limit values:

EU : Occupational Exposure Standard (OES) of 5 mg/m³, 8- hour time-weighted average reference period for oil mist.

USA : The American Conference of Governmental Industrial Hygienists (ACGIH) has assigned mineral oil mist a threshold limit value (TLV) of 5 mg/m³ as a Time Weighted Average (TWA) for a normal 8-hour workday and a 40-hour workweek and a short-term exposure limit (STEL) of 10 mg/m³ for periods not to exceed 15 minutes. Exposures at the STEL concentration should not be repeated more than four times a day and should be separated by intervals of at least 60 minutes.

[ACGIH 1994, p. 28]



LUBRICANTS™

POWER TO PERFORM™

MATERIAL SAFETY DATA SHEET

HP MILCY NO 1 15W 40

Product Code : 2098
MSDS No. :
Date of Issue : September 2019
Status :

OCCUPATIONAL EXPOSURE LIMITS

Biological limit values : No data

EXPOSURE CONTROLS:

Appropriate engineering controls Individual protection measures, such as personal protective equipment : Provide adequate ventilation to minimize dust and/or vapour concentrations

Eye / face protection : Chemical goggles or safety glasses (EN 166)

Skin protection : Wear suitable protective clothing.

Hand protection : Wear suitable gloves resistant to chemical penetration. (EN 374)

Respiratory protection : The use of Filtrtype A (EN 141) is recommended If exceeding the Occupational Exposure Limit.

Others : Do not wear leather soled shoes.

Environmental exposure controls : Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state : Oily liquid.
Colour : Yellow-brown.
Odour : Light odour of petroleum.
Flash point : 216 °C Minimum
Density @ 15°C : 846.4 kg/m³ Typical
Solubility in water : Insoluble.
Viscosity @ 100°C : 14.5 cSt Typical
Pour point : -36 °C Typical
Other information : See Product Data Sheet for detailed information

10. STABILITY AND REACTIVITY

Reactivity : No data available.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : None under normal conditions.

Conditions to avoid : Extremely high or low temperatures

Incompatible materials : Strong oxidizing agents.

Hazardous decomposition products : None under normal conditions.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS:

Acute toxicity : No specific toxicity data on this product available.

Irritation : Not expected to be an irritant to eyes or skin. Inhalation of fumes or vapours may cause respiratory irritation.

Corrosivity : No adverse health effects were noted.

Sensitisation : Repeated exposure may cause sensitization due to an allergic reaction of the skin.

Repeated dose toxicity : No data available.

Carcinogenicity : This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

Mutagenicity : Not expected to be mutagenetic.

Reproductive toxicity : Not expected to be toxic.



LUBRICANTS™

POWER TO PERFORM™

MATERIAL SAFETY DATA SHEET

HP MILCY NO 1 15W 40

Product Code : 2098
MSDS No. :
Date of Issue : September 2019
Status :

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

After ingestion : Ingestion may cause nausea, vomiting and diarrhoea.

After inhalation : Inhalation of vapours may cause respiratory irritation.

After skin contact : Prolonged or repeated skin contact with the material will remove natural oils and could lead to a dermatitis.

After eye contact : Slight eye irritant upon direct contact.

Symptoms related to the physical, chemical and toxicological characteristics: No adverse health effects were noted.

Delayed and immediate effects as well as chronic effects from short and long-term exposure :

No adverse health effects were noted

Other toxicological information : No data

12. ECOLOGICAL INFORMATION

Toxicity : No specific ecotoxicity data on this product available.

Persistence and degradability : Not determined.

Bioaccumulative potential : No data available.

Mobility in soil : It is to be expected small mobility in soil. Some or a few components may get into the soil and may cause pollution of ground water. Product spreads on the water surface.

Other adverse effects : May contaminate water supplies.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORT INFORMATION

Not Regulated

15. REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

USA Toxic Substances Control Act (TSCA) : All components of this material are on the US TSCA Inventory

or are exempt

Chemical safety assessment : Not done

16. OTHER INFORMATION

Revision Indicators : None.

Key to abbreviations and acronyms used in the safety data sheet :

ACGIH = American Conference of Industrial Hygienists

CLP = Classification and Labelling of Substances and Preparations

EC = European Commission. EN = European Norm

IARC = International Agency for Research on Cancer

IP = Institute of Petroleum. ISO = International Organization for Standardization

NLGI = National Lubricating Grease Institute

PCA = Polycyclic Aromatics

TLV = Threshold Limit Value. TWA = Time Weighted Average

VG = Viscosity Grade

List of relevant R-phrases :

R36/38 : Irritating to eyes and skin.

R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53 : May cause long-term adverse effects in the aquatic environment.

R62: Possible risk of impaired fertility.

Training advice : See information supplied by the manufacturer

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.