**MATERIAL SAFETY DATA SHEET**

1. **Product name and Company identification**

   **Product Name**: EASTTO MULTIPURPOSE GREASE NLGI 1
   **Product use**: Industrial and Automotive use
   **Supplier**: Eastern Petroleum Pvt. Ltd
   **Telephone No.**: 91-22-2743 1694, 91-22-2743 3819.
   **Email**: sales@easternpetroleum.in

2. **Composition / Information of Ingredients**

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS No.</th>
<th>% by wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral base oil</td>
<td>64742-54-7</td>
<td>86 – 93</td>
</tr>
<tr>
<td>Thickener: Lithium mixture</td>
<td>1310-66-3</td>
<td>5 – 10</td>
</tr>
<tr>
<td>Additive components:</td>
<td>Mixture</td>
<td>2 – 4</td>
</tr>
<tr>
<td>Antioxidant, Antirust, Anti-wear</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. **Hazards identification**

   **Physical state**: Semi solid
   **Human Health Effects**
   **Eyes**: Not irritating.
   **Skin**: Not Irritating
   **Inhalation**: Risk is not possible under normal conditions of use.
   **Chemical Hazard**: Non hazardous

4. **First Aid Measures**

   **Inhalation**: Remove the person to fresh air. Get medical attention.
   **Skin contact**: Wash the affected area repeatedly with soap and water.
   **Eye contact**: In case of contact immediately wash eyes with plenty of water.
   **Ingestion**: Small quantity can cause stomach discomforts, nausea and vomiting.

5. **Fire-fighting Measures**

   **Flammability of product**: Combustion is likely to give rise to a complex mixture of gases and airborne particulates, including carbon monoxide, oxides of sulphur, lead compounds and unidentified organic and inorganic compounds.

   **Extinguishing Media**
   **Suitable**: Use dry chemical, carbon dioxide (CO₂), or foam
   **Not suitable**: Do not use water.

6. **Accidental Release Measures**

   **Personal precautions**: Wear suitable protection clothing and equipment. Remove contaminated clothes as soon as possible.
   **Environmental precautions**: Prevent spills to enter and spread to drains, sewers, watercourses and soil.
   **Methods for cleaning up**: Contain leaking product with sand, earth or other suitable inert materials.

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**EASTTO MULTIPURPOSE GREASE NLGI 1**
**Revision No. 3**
**Date of issue**: 11.12.2014
**Date of revision**: 23.08.2016
7. Handling and Storage

Handling
Handle in accordance with good industrial hygiene and safety practices. If handled at elevated temperatures or with high speed mechanical equipment, vapors or mists might be released and require a well-ventilated workplace.

Storage
Store at ambient temperature or with lowest necessary heating as required for ease of handling.

8. Exposure Controls / Personal Protection

Control parameters
Due to the product's semi-solid consistency, generation of mists and dusts is unlikely to occur.

Personal protection equipment

Respiratory protection
Avoid inhalation use suitable mask with filter if necessary.

Hand protection
Wear grease-resistant protective gloves if there is a risk of skin contact.

Eye protection
For eyes protection wear safety goggles.

Skin and body protection
Use protective cloths and gloves.

Hygienic measures
Act in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>NLGI 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Semi Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>Dark brown</td>
</tr>
<tr>
<td>Odour</td>
<td>Mid</td>
</tr>
<tr>
<td>Worked Penetration @ 25°C</td>
<td>310 - 340</td>
</tr>
<tr>
<td>pH</td>
<td>N.A</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Vapour pressure(mmHg@25)</td>
<td>Low</td>
</tr>
<tr>
<td>Drop Point °C</td>
<td>192</td>
</tr>
<tr>
<td>Auto-ignition Temperature °C</td>
<td>&gt;320</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

Reactivity and stability
Stable at normal conditions and starts to decompose at higher temperature.

Conditions to avoid
Excessive heating and highly oxidizing agents

Hazardous decomposition products
Hazardous decomposition products are not expected to form.

Hazardous polymerization
Polymerization will not occur.

11. Toxicological Information

Potential chronic health effects
Carcinogenicity
No known significant effects or critical hazards.

12. Ecological Information

Environment effect:
Material not expected to be harmful to aquatic organisms.

13. Disposal considerations

Waste disposal procedure:
Place contaminated materials in a disposable container and dispose of in accordance with Local, State and Federal environmental regulations. Contact local environment and health authorities to get the permission for waste disposal.

14. Transport Information
Not classified as hazardous for transport (DOT, TDG, IMDG, IATA/ICAO)

15. Regulatory Information
Not classified as hazardous.
16. **Other Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material in combination with any other materials or in any process, unless specified in the text.