TURBINE OIL
Safety Data Sheet
According to OSHA Hazard Communication Standard, 29 CFR
Date of issue: 5-12-2015 Revision date: 10-20-2020 Version: 8.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier
Product form: Mixture
Product name: TURBINE OIL
Product code: 001A9783

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
: Laboratory Test Sample

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Clark Laboratories
1801 Route 51 South
Jefferson Hills, PA 15025
412-387-1001

1.4. Emergency telephone number
Transportation Emergency Response
Chemtrec - 24 hour emergency response: (800) 424-9300
International Collect: +1 703 741 5970
SDS Assistance Email: sds@clarktesting.com

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified
This material is not considered to be hazardous according to regulatory guidelines

2.2. Label elements
Under the criteria of Directive 1999/45/EC (dangerous preparations): Not classified
SECTISECTION 3: Composition/information on ingredients

3.1. Substance
Mixture

3.2. Mixture (Hazardous Components)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS NUMBER</th>
<th>EC Number</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(4-nonylphenoxy) acetic acid</td>
<td>3115-49-9</td>
<td>221-486-2</td>
<td>0.01 – 0.09</td>
</tr>
<tr>
<td>N-phenyl-1-naphthylamine</td>
<td>90-30-2</td>
<td>201-983-0</td>
<td>0.1 – 0.24</td>
</tr>
<tr>
<td>Interchangeable low viscosity base oil</td>
<td>Not assigned</td>
<td>Not assigned</td>
<td>0 - 0.90</td>
</tr>
</tbody>
</table>

SECTISECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general:
Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation:
Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact:
Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact:
Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion:
Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries:
Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTISECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions:
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting equipment, including respiratory protection:
Do not enter fire area without proper protective
SECTSECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection. Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTSECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Direct sunlight., Heat sources. Keep container closed when not in use.

Incompatible products:


7.3. Specific end use(s)

No additional information available

SECTSECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Highly Refined Mineral oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
</tr>
<tr>
<td>Belgium</td>
</tr>
<tr>
<td>USA - ACGIH</td>
</tr>
<tr>
<td>-------------</td>
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<tr>
<td>USA - ACGIH</td>
</tr>
</tbody>
</table>

### 8.2. Exposure controls

**Personal protective equipment**: Insulated gloves. Safety glasses.

Protective clothing. Avoid all unnecessary exposure. Hand protection:

- Wear protective gloves
- Eye protection: Chemical goggles or safety glasses
- Skin and body protection: Wear suitable protective clothing
- Respiratory protection: Wear appropriate mask

**Other information**: Do not eat, drink or smoke during use.

### SECT 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

**Physical state**: Liquid
**Color**: Colorless to pale amber

**Odour**: Petroleum Odor

**Odour threshold**: No data available

**PH**: N/A
**Melting point**: N/A
**Freezing Point**: N/A

**Boiling point**: > 280°C (536°F)
**Flashpoint**: Method: ISO 3016 - >=220°C / >=428°F

**Decomposition temperature**: No data available

**Flammability (solid, gas)**: Non flammable.

**Vapour pressure**: No data available

**Relative vapour density**

- at 20 °C: No data available

**Relative density**: No data available

**Density**: 0.86 kg/l @ 15.6 celcius (60.1 Farenheit)

**Minimum Solubility**: Insoluble in water.

**Log Pow**: No data available

**Viscosity, kinematic**: 68 mm²/s
**Viscosity, dynamic**: No data available

**Explosive properties**
9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Not established.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products
Not classified as hazardous

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
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**Highly refined mineral oil**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>LD50 oral (rat)</td>
<td>&gt; 5000 mg/kg</td>
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<tr>
<td>LD50 dermal (rabbit)</td>
<td>&gt; 2000 mg/kg</td>
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<table>
<thead>
<tr>
<th>Skin corrosion/iritation</th>
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<tbody>
<tr>
<td>Based on available data, the classification criteria are not met</td>
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</table>

<table>
<thead>
<tr>
<th>Serious eye damage/iritation</th>
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<tbody>
<tr>
<td>Based on available data, the classification criteria are not met</td>
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</table>

<table>
<thead>
<tr>
<th>Respiratory or skin sensitisation</th>
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<tbody>
<tr>
<td>Based on available data, the classification criteria are not met</td>
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<table>
<thead>
<tr>
<th>Germ cell mutagenicity</th>
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<tbody>
<tr>
<td>Based on available data, the classification criteria are not met</td>
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</table>

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
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<tbody>
<tr>
<td>Based on available data, the classification criteria are not met</td>
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</table>

<table>
<thead>
<tr>
<th>Reproductive toxicity</th>
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<tr>
<td>Based on available data, the classification criteria are not met</td>
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</table>

<table>
<thead>
<tr>
<th>Specific target organ toxicity (single exposure)</th>
<th>Not classified</th>
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</thead>
<tbody>
<tr>
<td>Based on available data, the classification criteria are not met</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity
This product is not expected to be harmful to aquatic organisms.

12.2. Persistence and degradability

This product is not expected to be harmful to aquatic organisms.

12.3. Bioaccumulative potential
No data available

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
Additional information: Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number
Not regulated for transport

14.2. UN proper shipping name
Proper Shipping Name (ADR): Not Applicable
Proper Shipping Name (IMDG): Not applicable
Proper Shipping Name (IATA): Not applicable
Proper Shipping Name (ADN): Not applicable
Proper Shipping Name (RID): Not applicable

14.3. Transport hazard class(es) ADR
Transport hazard class(es) (ADR): Not applicable

IM
D
G
Transport hazard class(es) (IMDG): Not applicable

IA
T
A

Transport hazard class(es) (IATA): Not applicable

A
D
N

Transport hazard class(es) (ADN): Not applicable

R
I
D

Transport hazard class(es) (RID): Not applicable

14.4. Packing group
Packing group (ADR): Not applicable
Packing group (IMDG): Not applicable
Packing group (IATA): Not applicable
Packing group (ADN): Not applicable
Packing group (RID): Not applicable

14.5. Environmental hazards
Dangerous for the environment: No
Marine pollutant: No
Other information: No

14.6. Special precautions for user
- Overland transport
No data available

- Transport by sea
No data available

- Air transport
No data available

- Inland waterway transport
No data available

- **Rail transport**
  No data available

14.7. **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

Section 15 Regulatory Information

**SECTISeccsECTIODssss: Regulatory information**

15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**

15.1.1. **EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

**SECS: Section 16: Other information**

References:

EU Regulation 1907/2006

**NOTICE:** The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. Adequate training and instruction should be given by you to your employees and affected personnel. Appropriate warnings and safe handling procedures should be provided by you to handlers and users. Additionally, the user should review this information, satisfy itself as to its suitability and completeness, and pass on the information to its employees or customers in accordance with the applicable federal, state, provincial or local hazard communication requirements. This SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the fitness for use of the material, or the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, vendor neither assumes nor retains any responsibility for any damage or injury resulting from abnormal use, from any failure to adhere to appropriate practices, or from any hazards inherent in the nature of the material. Moreover, unless an employee or a customer accesses or receives a SDS directly from the company, there is no assurance that a document obtained from alternate sources is the most currently available SDS. The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

**Completed by Clark PTP Staff**

No Annex