SAFETY DATA SHEET
Base Oil aramcoPRIMA 150
According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name
Base Oil aramcoPRIMA 150
REACH Registration number
01-2119484627-25-XXXX

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Lubricating Oil Base Stock

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier
S-OIL Corporation
S-Oil Bldg., 192, Baekbeom-ro ,
Mapo-gu, Seoul, 04196, Korea
(Seoul Mapo P.O.Box 87)

Responsible person
Nam&Nam Europe GmbH(OR of S-OIL Corporation)
Emil-Figge-str. 80,
44227 Dortmund, Deutschland
+ 49 (0)231 9742 4450
info@namandnam.eu

1.4. Emergency telephone number

+49 551 19240
GIZ-Nord, Goettingen, Germany (English only)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)
Physical and Chemical Hazards Not classified.
Human health Not classified.
Environment Not classified.

Classification (67/548/EEC)
Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008 No pictogram required.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-No.</th>
<th>EC No.</th>
<th>Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic</td>
<td>64742-54-7</td>
<td>265-157-1</td>
<td>01-2119484627-25-XXXX</td>
</tr>
</tbody>
</table>

Classification (EC 1272/2008)
Not classified.
Classification (67/548/EEC)
Not classified.
SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information
Contact physician if discomfort continues.

Inhalation
Move the exposed person to fresh air at once.
If respiratory problems, artificial respiration/oxygen.

Ingestion
Get medical attention immediately!
Immediately rinse mouth and provide fresh air.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact
Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention.

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

General information
The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media
Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards N/A.
Specific hazards
When heated and in case of fire, corrosive vapours/gases may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures
NOTE! Use air-supplied respirators to protect against gases/fumes. Use water SPRAY only to cool containers! Do not put water on leaked material.
Protective equipment for fire-fighters
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety datasheet.

6.2. Environmental precautions

Do not allow ANY environmental contamination. Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Collect with absorbent, non-combustible material into suitable containers. Transfer to a container for disposal.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Wear full protective clothing for prolonged exposure and/or high concentrations. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
7.2. Conditions for safe storage, including any incompatibilities

Keep upright. Keep away from food, drink and animal feeding stuffs. Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

EU limit values  
UK limit values  
Monitoring procedure

None.  
None.  
Not applicable

8.2. Exposure controls

Protective equipment

Process conditions
Provide eyewash station.

Engineering measures
Provide sufficient ventilation during operations which cause vapour formation.

Respiratory equipment
In case of inadequate ventilation use suitable respirator. Wear mask supplied with: Gas cartridge suitable for organic substances.

Hand protection
Chemical resistant gloves required for prolonged or repeated contact.

Eye protection
Wear approved safety goggles.

Other Protection
Provide eyewash station.

Hygiene measures
Wash hands after contact. Promptly remove any clothing that becomes contaminated.  DO NOT SMOKE IN WORKAREA!

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance  
Colour  
Initial boiling point and boiling range  
Relative density  
Vapour pressure  
Viscosity

Viscous liquid.  
Clear  
Not available.  
0.8634 @ 15°C  
Not available.  
28.1 – 31.0 cSt @ 40°C (ASTM D 445)  
≥204°C (ASTM D 92)

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not available.

Hazardous Polymerisation Will not polymerise.
10.4. Conditions to avoid
Avoid exposing to heat and contact with strong oxidising substances.

10.5. Incompatible materials
Materials To Avoid
Strong oxidising substances.

10.6. Hazardous decomposition products

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

**Acute Toxicity (Oral LD50)**
> 5000 mg/kg Rat

**Acute Toxicity (Dermal LD50)**
> 5000 mg/kg Rabbit

**Inhalation**
Not relevant at normal room temperatures. When heated, irritating vapours may be formed.

**Ingestion**
May cause discomfort if swallowed.

**Skin contact**
No specific health warnings noted.

**Eye contact**
No specific health warnings noted.

**Health Warnings**
Observe good chemical hygiene practices.

**Route of entry**
Ingestion. Skin and/or eye contact.

**Medical Symptoms**
Diarrhoea. Nausea, vomiting.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

**Acute Fish Toxicity**
Not considered toxic to fish.

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC 50, 96 Hrs, Fish mg/l</td>
<td>&gt;1000</td>
</tr>
<tr>
<td>EC 50, 48 Hrs, Daphnia, mg/l</td>
<td>&gt;1000</td>
</tr>
<tr>
<td>IC 50, 72 Hrs, Algae, mg/l</td>
<td>&gt;1000</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

**Degradability**
The product is not readily biodegradable.

12.3. Bioaccumulative potential

**Bioaccumulative potential**
Will not bio-accumulate.

12.4. Mobility in soil

**Mobility**
The product is insoluble in water and will spread on the water surface.
12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

General information
Dispose of waste and residues in accordance with local authority requirements.

13.1. Waste treatment methods
Incinerate with provision for removal of effluent gases by scrubber.

SECTION 14: TRANSPORT INFORMATION

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not available.

14.3. Transport hazard class(es)

Not available.

14.4. Packing group

Not available.

14.5. Environmental hazards

Environmentally Hazardous Substance/ Marine Pollutant Not available.

14.6. Special precautions for user

Not available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

National Regulations
Water Hazard Class (Germany) : WGK 1

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Issued By S-OIL Corporation
Revision Date 30.10.2017
Revision 0
Safety Data Sheet Status Approved.
Risk Phrases In Full Not classified.

Disclaimer
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