SAFETY DATA SHEET

ROYCO 756A MIL-H-5606A

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ROYCO 756A MIL-H-5606A

Product Use Description: Lubricant

Company: Manufacturer
Anderol Specialty Lubricants, a division of Chemtura Corporation
215 Merry Lane
East Hanover, NJ 07936
United States of America

Telephone: +1 203-573-4596, Toll Free: +1 888-263-3765

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300
: 703-527-3887

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by: Product Safety Department
(US) +1 866-430-2775
MSDSRequest@chemtura.com

Additional advice: SYNTHETIC GEAR AND BEARING OIL, EP (ISO 680)
Recommended use of the chemical and restrictions on use

Recommended use: Lubricant

Restrictions on use: For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

Form: liquid
Colour: red
Odour: aromatic

GHS Classification
Aspiration hazard: Category 1
Acute aquatic toxicity: Category 3
Chronic aquatic toxicity: Category 3

GHS Label element
Signal word: Danger
Hazard pictograms

Hazard statements
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Other hazards
None

Precautionary statements
Prevention:
P273 Avoid release to the environment.
Response:
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/container to an approved waste disposal plant.

Carcinogenicity:

IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Group 3: Not classifiable as to its carcinogenicity to humans
Distillates (petroleum), 64742-46-7
hydrotreated middle
Distillates (petroleum), 64742-47-8
hydrotreated light
2,6-di-tert-butyl-p-cresol 128-37-0

OSHA
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
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Version: 1.0 Revision Date: 12/05/2014 Print Date: 04/22/2015

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light naphthenic</td>
<td>64742-53-6</td>
<td>&gt;= 50 - &lt; 70 %</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated middle</td>
<td>64742-46-7</td>
<td>&gt;= 20 - &lt; 30 %</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>&gt;= 5 - &lt; 10 %</td>
</tr>
<tr>
<td>NJTS# 136411-5778P Polyolefins</td>
<td></td>
<td>&gt;= 1 - &lt; 5 %</td>
</tr>
<tr>
<td>Phenol, isobutyleneated, phosphate (3:1)</td>
<td>68937-40-6</td>
<td>&gt;= 0.1 - &lt; 1 %</td>
</tr>
<tr>
<td>2,6-di-tert-butyl-p-cresol</td>
<td>128-37-0</td>
<td>&gt;= 0.1 - &lt; 1 %</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

If inhaled: If inhaled
Move to fresh air.
If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.
In case of bluish discolouration (lips, ear lobes, fingernails),
give oxygen as quickly as possible.
Call a physician or poison control centre immediately.

In case of skin contact: In case of skin contact
Wash off with soap and water.
Remove contaminated clothing and shoes.
Wash contaminated clothing before re-use.
Get medical attention if irritation develops and persists.

In case of eye contact: In case of eye contact
Flush with plenty of water.
If eye irritation persists, consult a specialist.

If swallowed: If swallowed, DO NOT induce vomiting.
Call a physician or poison control centre immediately.

Most important symptoms and effects, both acute and delayed:
Aspiration may cause pulmonary oedema and pneumonitis.

Notes to physician: For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide (CO2)
Dry powder
Foam
Alcohol-resistant foam
Water mist

Unsuitable extinguishing media: Water
Specific hazards during firefighting: Burning produces noxious and toxic fumes.

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use a water spray to cool fully closed containers.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions: Do not contaminate water. Do not flush into surface water or sanitary sewer system. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: Keep container closed when not in use.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid: Strong acids and strong bases, Oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Form of exposure</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light naphthenic</td>
<td>64742-53-6</td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Inhalable fraction)</td>
<td>5 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>NIOSH REL</td>
</tr>
</tbody>
</table>

SAP 6.0 SDS 2012-2 NA GHS 4 / 10 SDS Number: 400000001788
**SAFETY DATA SHEET**

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<table>
<thead>
<tr>
<th>Substance Description</th>
<th>ST (Mist)</th>
<th>TWA (Mist)</th>
<th>TWA</th>
<th>TWA (Mist)</th>
<th>TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated middle 64742-46-7</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
<td>500 ppm 2,000 mg/m³</td>
<td>5 mg/m³</td>
<td>400 ppm 1,600 mg/m³</td>
</tr>
<tr>
<td>Polyolefins 136411-5778P</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,6-di-tert-butyl-p-cresol 128-37-0</td>
<td>10 mg/m³</td>
<td></td>
<td>2 mg/m³ 2 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Engineering measures**: Ensure that eyewash stations and safety showers are close to the workstation location. Effective exhaust ventilation system.

**Personal protective equipment**

**Respiratory protection**: not required under normal use. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hand protection**

**Remarks**: Neoprene gloves

**Eye protection**: Safety glasses with side-shields or Tightly fitting safety goggles

**Skin and body protection**: impervious clothing

**Hygiene measures**: Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**: liquid
- **Color**: red
- **Odor**: aromatic
- **pH**: Not applicable
- **Pour point**: < -60 °C
- **Boiling point/boiling range**: No data available
- **Flash point**: > 93.3 °C
  Method: ASTM D 93
- **Upper explosion limit**: No data available
- **Lower explosion limit**: No data available
- **Vapour pressure**: No data available
- **Relative density**: ca. 0.86
- **Solubility(ies)**
  - **Water solubility**: No data available
  - **Partition coefficient: n-octanol/water**: No data available
  - **Auto-ignition temperature**: No data available
  - **Viscosity**: 
    - **Viscosity, kinematic**: 13.9 mm²/s (40 °C)

SECTION 10. STABILITY AND REACTIVITY

- **Reactivity**: No dangerous reaction known under conditions of normal use.
- **Chemical stability**: No decomposition if stored and applied as directed.
- **Possibility of hazardous reactions**: Hazardous polymerisation does not occur.
  Stable under normal conditions.
- **Conditions to avoid**: Heat, flames and sparks.
  Contamination
- **Incompatible materials**: Strong acids and strong bases
Oxidizing agents

Hazardous decomposition products: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity
2,6-di-tert-butyl-p-cresol (Component): LD50: > 2,930 mg/kg
Species: Rat
Method: OECD Test Guideline 401

Acute dermal toxicity
2,6-di-tert-butyl-p-cresol (Component): LD50: > 2,000 mg/kg
Species: Rat
Method: OECD Test Guideline 402

Skin irritation
NJTS# 136411-5778P Polyolefins (Component): Result: No skin irritation
2,6-di-tert-butyl-p-cresol (Component): Species: Rabbit
Result: No skin irritation

Eye irritation
NJTS# 136411-5778P Polyolefins (Component): Result: No eye irritation
2,6-di-tert-butyl-p-cresol (Component): Species: Rabbit
Result: No eye irritation

Sensitisation
2,6-di-tert-butyl-p-cresol (Component): Species: Guinea pig
Classification: Did not cause sensitisation on laboratory animals.

CMR effects
NJTS# 136411-5778P Polyolefins (Component): Carcinogenicity: Animal testing did not show any carcinogenic effects.
Mutagenicity: Animal testing did not show any mutagenic effects.
Teratogenicity: No effects on or via lactation, Did not show teratogenic effects in animal experiments.
Reproductive toxicity: No toxicity to reproduction

2,6-di-tert-butyl-p-cresol (Component): Mutagenicity: Animal testing did not show any mutagenic effects.
Teratogenicity: No effects on or via lactation
Reproductive toxicity: No toxicity to reproduction

Further information (Product): No data is available on the product itself.
SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish (Product) : Remarks:
No data available

Toxicity to daphnia and other aquatic invertebrates

NJTS#  136411-5778P Polyolefins (Component) : EC50: 190 mg/l
Species: Daphnia magna (Water flea)
Exposure time: 48 h

Phenol, isobutyleneated, phosphate (3:1) (Component)
: EC50: 0.202 mg/l
Species: Daphnia magna (Water flea)
Exposure time: 48 h

Toxicity to fish (Chronic toxicity)
Phenol, isobutyleneated, phosphate (3:1) (Component)
: NOEC: 0.093 mg/l
Exposure time: 90 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
Phenol, isobutyleneated, phosphate (3:1) (Component)
: NOEC: 0.0399 mg/l
Exposure time: 21 d

Elimination information (persistence and degradability)

Bioaccumulation (Product) : Remarks:
No data available

Mobility (Product) : Remarks:
No data available

Biodegradability (Product) : Result: No data available

Further information on ecology

Ecotoxicology Assessment

Results of PBT assessment (Product)
This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
Additional ecological information (Product) : The product itself has not been tested.
SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues : Dispose of waste material in compliance with all federal, state, and local regulations.
Contaminated packaging : Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

ADR
Not dangerous goods

RID
Not dangerous goods

MERCOSUR
Not dangerous goods

DOT
Not dangerous goods

IATA
Not dangerous goods

IMDG
Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene</td>
<td>1330-20-7</td>
<td>100</td>
<td>*</td>
</tr>
</tbody>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA304 Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.
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SARA 311/312 Hazards: Acute Health Hazard

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

California Prop 65: WARNING! This product contains a chemical known to the State of California to cause cancer.

formaldehyde 50-00-0

The components of this product are reported in the following inventories:

- US.TSCA: On TSCA Inventory
- DSL: All components of this product are on the Canadian DSL.
- AICS: On the inventory, or in compliance with the inventory
- NZIoC: Not in compliance with the inventory
- ENCS: On the inventory, or in compliance with the inventory
- KECI: On the inventory, or in compliance with the inventory
- PICCS: On the inventory, or in compliance with the inventory
- IECSC: On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information

Other Emergency Phone Number

<table>
<thead>
<tr>
<th>Latin America:</th>
<th>Brazil</th>
<th>+55 113 711 9144</th>
</tr>
</thead>
<tbody>
<tr>
<td>All other countries</td>
<td></td>
<td>+44 (0) 1235 239 670</td>
</tr>
<tr>
<td>Mexico:</td>
<td></td>
<td>+52 555 004 8763</td>
</tr>
</tbody>
</table>

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 only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.