



SAFETY DATA SHEET



ROYCO 885 MIL-PRF-6085E

Version: 1.2

Revision Date: 02/04/2016

Print Date: 06/17/2016

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ROYCO 885 MIL-PRF-6085E
LOW VOLATILITY GENERAL LUBRICATING FLUID

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

Email: msdsrequest@chemtura.com
Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300
:
Chemtura Corporation Emergency Response: CHEMTURA : 800-292-5898

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

Recommended use of the chemical and restrictions on use

Recommended use : Lubricant

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

| | |
|--------|--------|
| Form | liquid |
| Colour | amber |
| Odour | mild |

GHS Classification

Aspiration hazard : Category 1

GHS Label element

Signal word : **Danger**

ROYCO 885 MIL-PRF-6085E

Version: 1.2

Revision Date: 02/04/2016

Print Date: 06/17/2016

Hazard pictograms :



Hazard statements :

H304 May be fatal if swallowed and enters airways.

Other hazards :

None

Precautionary statements :

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.

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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

| Chemical Name | CAS-No. | Concentration (%) |
|---|------------|-------------------|
| barium bis(dinonylnaphthalenesulphonate) | 25619-56-1 | >= 1 - < 5 % |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | 68411-46-1 | >= 1 - < 5 % |

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 discoloration (lips, ear lobes, fingernails),



SAFETY DATA SHEET



ROYCO 885 MIL-PRF-6085E

Version: 1.2

Revision Date: 02/04/2016

Print Date: 06/17/2016

- give oxygen as quickly as possible.
If symptoms persist, call a physician.
- 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
Rinse thoroughly with plenty of water, also under the eyelids.
If eye irritation persists, consult a specialist.
- If swallowed : If swallowed, DO NOT induce vomiting.
Consult a physician if necessary.
- Most important symptoms and effects, both acute and delayed : No information available.
Notes to physician : No information available.

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 : No information available.
- Specific extinguishing methods : In the event of fire, cool tanks with water spray.
- 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 : Should not be released into the environment.
Do not contaminate water.



SAFETY DATA SHEET



ROYCO 885 MIL-PRF-6085E

Version: 1.2

Revision Date: 02/04/2016

Print Date: 06/17/2016

Do not flush into surface water or sanitary sewer system.

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 : Handle in accordance with good industrial hygiene and safety practice.
Keep container closed when not in use.
Do not use pressure to empty drums.
Ensure all equipment is electrically grounded before beginning transfer operations.

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

Materials to avoid : Strong acids and strong bases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Personal protective equipment

Respiratory protection : Breathing apparatus needed only when aerosol or mist is formed.
In the case of vapour formation use a respirator with an approved filter.

Hand protection
Remarks : Neoprene gloves

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

Skin and body protection : Impervious clothing

Hygiene measures : Avoid contact with skin, eyes and clothing.
Provide adequate ventilation.
Do not breathe dust or spray mist.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid



SAFETY DATA SHEET



ROYCO 885 MIL-PRF-6085E

Version: 1.2

Revision Date: 02/04/2016

Print Date: 06/17/2016

Color : amber
Odor : mild
Odour Threshold : No data available
pH : Not applicable
Melting point/range :
Not applicable
Boiling point/boiling range : No data available
Evaporation rate : No data available
Flash point : 227 °C
Method: open cup

Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : No data available
Relative vapour density : No data available
Relative density : 0.92
Solubility(ies)
Water solubility : slightly soluble
Solubility in other solvents : No data available

Partition coefficient: n-
octanol/water : No data available
Auto-ignition temperature : not determined

Viscosity
Viscosity, kinematic : 13 mm²/s (40 °C)

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous
reactions : Hazardous polymerisation does not occur.
Conditions to avoid : Heat
Incompatible materials : Strong acids and strong bases
Hazardous decomposition
products : Carbon oxides



SAFETY DATA SHEET



ROYCO 885 MIL-PRF-6085E

Version: 1.2

Revision Date: 02/04/2016

Print Date: 06/17/2016

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product) : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity (Product) : Acute toxicity estimate: > 40 mg/l

Exposure time: 4 h

Method: Calculation method

Acute dermal toxicity (Product) : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Skin irritation
Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene
(Component)

: Species: Rabbit
Result: No skin irritation
Method: OECD Test Guideline 404

Eye irritation
Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene
(Component)

: Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Sensitisation
Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene
(Component)

: Species: Guinea pig
Classification: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406

Aspiration toxicity (Product) : May be fatal if swallowed and enters airways.

CMR effects
Benzenamine, N-phenyl-,
reaction products with 2,4,4-
trimethylpentene
(Component)

: Mutagenicity: Not mutagenic in Ames Test

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects



SAFETY DATA SHEET



ROYCO 885 MIL-PRF-6085E

Version: 1.2

Revision Date: 02/04/2016

Print Date: 06/17/2016

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

Toxicity to daphnia and other aquatic invertebrates
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (Component) : EC50: 51 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202

Toxicity to algae
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (Component) : EbC50: > 100 mg/l
Exposure time: 72 h
Species: Desmodesmus subspicatus (green algae)
Method: OECD Test Guideline 201

Elimination information (persistence and degradability)

Bioaccumulation (Product) : Remarks:
No data available

Mobility (Product) : Remarks:
No data available

Biodegradability (Product) : Remarks:
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 : In accordance with local and national regulations.

Contaminated packaging : Do not burn, or use a cutting torch on, the empty drum.



SAFETY DATA SHEET



ROYCO 885 MIL-PRF-6085E

Version: 1.2

Revision Date: 02/04/2016

Print Date: 06/17/2016

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

National Regulations

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

TSCA list : TSCA - 5(a) Significant New Use Rule List of Chemicals: Not relevant

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D): Not relevant

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

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard
Acute Health Hazard

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

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:
barium 25619-56-1
bis(dinonylnaphthalenesulph
onate)

US State Regulations



SAFETY DATA SHEET



ROYCO 885 MIL-PRF-6085E

Version: 1.2

Revision Date: 02/04/2016

Print Date: 06/17/2016

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

On the inventory, or 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

| | | |
|-----------------------|---------------------|----------------------|
| <u>Latin America:</u> | Brazil | +55 113 711 9144 |
| | All other countries | +44 (0) 1235 239 670 |
| <u>Mexico:</u> | | +52 555 004 8763 |

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.