



Material Safety Data Sheet



ROYCO 481 MIL-PRF-6081D

Version: 1.1

Revision Date: 05/13/2011

Print Date: 09/12/2011

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *ROYCO 481 MIL-PRF-6081D*

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: 973-887-7410

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
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SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION!

Form: liquid Colour: light yellow Odour: slight hydrocarbon-like

Hazard Summary : May cause eye and skin irritation.



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OSHA Hazards

: THIS MATERIAL IS NOT HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.

Potential Health Effects

- Primary Routes of Entry : Eye contact
Skin contact
- Aggravated Medical Condition : Skin disorders
- Inhalation : May cause respiratory tract irritation.
- Skin : May cause skin irritation.
Prolonged or repeated contact may dry skin and cause irritation.
- Eyes : May cause eye irritation.
- Ingestion : May be harmful if swallowed.
Aspiration hazard if swallowed - can enter lungs and cause damage.
- Symptoms of Overexposure : No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

No ingredients are hazardous according to HCS criteria.

SECTION 4. FIRST AID MEASURES

First aid procedures

- Inhalation : 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), give oxygen as quickly as possible.
If symptoms persist, call a physician.



Material Safety Data Sheet



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- 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.
- Eye contact : In case of eye contact
Rinse thoroughly with plenty of water, also under the eyelids.
If eye irritation persists, consult a specialist.
- Ingestion : If swallowed, DO NOT induce vomiting.
Consult a physician if necessary.

Notes to physician

- Symptoms : No information available.
- Treatment : No information available.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

- Flash point : 289 °F (143 °C)
Method: open cup
- Ignition temperature : Remarks: not determined
- Lower explosion limit : Remarks: no data available
- Upper explosion limit : Remarks: no data available

Fire fighting

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Foam
Alcohol-resistant foam
Water mist
- Unsuitable extinguishing media : Water
- Further information : In the event of fire, cool tanks with water spray.



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Protective equipment and precautions for firefighters

- Specific hazards during fire fighting : Burning produces noxious and toxic fumes.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment. Ensure adequate ventilation.
- Environmental precautions : Should not be released into the environment. Do not contaminate water. Do not flush into surface water or sanitary sewer system.
- Methods for containment / Methods for 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).
- Additional advice : Forms slippery/greasy layers with water.

SECTION 7. HANDLING AND STORAGE

Handling

- Handling procedures : 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.

Storage

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
- Other data : Stable under recommended storage conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Contains no substances with occupational exposure limit values.

Engineering measures



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Personal protective equipment

- Eye protection : Safety glasses with side-shields
Tightly fitting safety goggles
- Hand protection : Neoprene gloves
- Skin and body protection : impervious clothing
- 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.
- 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

- Form : liquid
- Colour : light yellow
- Odour : slight
hydrocarbon-like

Safety data

- Flash point : 289 °F (143 °C)
Method: open cup
- Ignition temperature : Remarks: not determined
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available
- pH : Note: not applicable
- Vapour pressure : Note: no data available
- Specific Gravity : 0.88



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Water solubility : Note: slightly soluble

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Heat.

Materials to avoid : Remarks: Strong acids and strong bases

Hazardous decomposition products : Note: Carbon oxides

Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity :
Remarks: Not classified due to lack of data.

Skin irritation : Remarks: Not classified due to lack of data.

Eye irritation : Remarks: Not classified due to lack of data.

Sensitisation : Remarks: Not classified due to lack of data.

Toxicology Assessment

CMR effects : Carcinogenicity:
Not classified due to lack of data.
Mutagenicity:
Not classified due to lack of data.
Reproductive toxicity:
Not classified due to lack of data.

Further information : There is no data available for this product.



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12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish :
Remarks:
no data available

Toxicity to daphnia and other aquatic invertebrates. : Remarks:
no data available

Toxicity to algae : Remarks:
no data available

Elimination information (persistence and degradability)

Bioaccumulation : Remarks:
no data available

Mobility : Remarks:
no data available

Biodegradability : Result: no data available

Further information on ecology

Ecotoxicology Assessment

Results of PBT assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

Additional ecological information : There is no data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : In accordance with local and national regulations.

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

SECTION 14. TRANSPORT INFORMATION



Material Safety Data Sheet



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DOT

Not dangerous goods

TDG

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

SARA 311/312 Hazards : No SARA Hazards

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

REACH : On the inventory, or in compliance with the inventory

US.TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL list.

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

