



# Material Safety Data Sheet



## ROYCO 560 MIL-PRF-23699F HTS

Version: 1.4

Revision Date: 01/03/2011

Print Date: 09/12/2011

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *ROYCO 560 MIL-PRF-23699F HTS*

Product Use Description: Lubricant

Company: 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  
(US) +1 866-430-2775  
  
+011-886-2-2712-5668    MSDSRequest@chemtura.com

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### CAUTION!

Form: liquid      Colour: amber      Odour: mild

Hazard Summary : May cause eye and skin irritation.

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



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### Potential Health Effects

- Primary Routes of Entry : Skin contact  
Eye contact
- Aggravated Medical Condition : Dermatitis
- Inhalation : Mist may cause irritation of the respiratory tract.
- Skin : May cause skin irritation.
- Eyes : May cause eye irritation.
- Ingestion : May cause:  
Diarrhoea  
Aspiration hazard if swallowed - can enter lungs and cause damage.

### 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 breathing is difficult, give oxygen.  
Get medical attention if irritation develops and persists.
- Skin contact : In case of skin contact  
Wash off with soap and water.  
If symptoms persist, call a physician.
- Eye contact : In case of eye contact  
Flush with plenty of water.  
If eye irritation persists, consult a specialist.
- Ingestion : If swallowed, DO NOT induce vomiting.  
Consult a physician if necessary.



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### SECTION 5. FIRE-FIGHTING MEASURES

#### Flammable properties

- Flash point : 489 °F (254 °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 (CO<sub>2</sub>)  
Dry powder  
Foam  
Alcohol-resistant foam  
Water mist
- Unsuitable extinguishing media : Water
- Further information : In the event of fire, cool tanks with water spray.

#### Protective equipment and precautions for firefighters

- 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 : Remove all sources of ignition.  
Clean contaminated surface thoroughly.  
Material can create slippery conditions.



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### 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

We are not aware of any national exposure limit.

#### Engineering measures

Engineering measures : Use with adequate ventilation.  
Local ventilation is needed in the presence of airborne mists.  
Ensure that eyewash stations and safety showers are close to the workstation location.

#### 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 : not required under normal use  
Wear a NIOSH/MSHA approved organic cartridge respirator in high temperature applications if misting or vapor occurs, or there is potential for airborne exposures to exceed established threshold values.

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



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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form : liquid  
Colour : amber  
  
Odour : mild

#### Safety data

Flash point : 489 °F (254 °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: no data available  
  
Boiling point/boiling range : Note: no data available  
  
Vapour pressure : Note: no data available  
  
Specific Gravity : 1.0 at  
  
Water solubility : Note: slightly soluble

### SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Heat.  
High temperatures.  
  
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

Further information : No data is available on the product itself.



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### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

Toxicity to daphnia and other aquatic invertebrates. : EC50: > 100 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
Remarks:  
Information given is based on data obtained from similar substances.

#### Further information on ecology

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

#### 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



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Communication Standard 29CFR 1910.1200.

**SARA 311/312 Hazards** : No SARA Hazards

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

**TSCA** : On TSCA Inventory

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

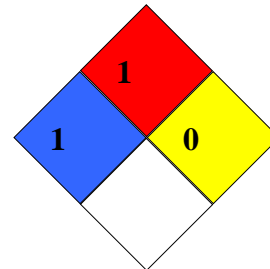
**AICS** : On the inventory, or in compliance with the inventory

### SECTION 16. OTHER INFORMATION

#### Further information

**HMIS Classification** : Health hazard: 1  
Flammability: 1  
Reactivity: 0

**NFPA Classification** : Health hazard: 1  
Fire Hazard: 1  
Reactivity Hazard: 0



#### Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+52 113 711 91 44
	All other countries	+44 (0)208 762 8322
<u>Mexico:</u>		+52 555 004 87 63



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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.