



# Material Safety Data Sheet



## ROYCO HF-825

Version: 1.1

Revision Date: 10/04/2012

Print Date: 09/20/2013

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ROYCO HF-825

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  
(US) +1 866-430-2775  
10/04/2012  
  
MSDSRequest@chemtura.com

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### CAUTION!

Form: liquid

Hazard Summary : May cause eye and skin irritation.

OSHA Hazards : NO OSHA HAZARDS

#### Potential Health Effects

Primary Routes of Entry : Eye contact  
Skin contact



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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.

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

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

No ingredients are hazardous according to OSHA 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.  
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



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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. FIREFIGHTING MEASURES

### Flammable properties

Flash point : Remarks: not determined

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

Specific hazards during firefighting : Burning produces noxious and toxic fumes.

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 : 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.



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- 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.  
Contains no substances with occupational exposure limit values.

#### Engineering measures

#### 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.



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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form : liquid

#### Safety data

Flash point : Note: not determined

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 : no data available

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:



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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.

### 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.



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**SECTION 14. TRANSPORT INFORMATION**

**DOT**

Not dangerous goods

**TDG**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**RID**

Not dangerous goods

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15. REGULATORY INFORMATION**

**OSHA Hazards** : No OSHA Hazards

**CERCLA Reportable  
Quantity** :

**SARA 302 Reportable  
Quantity** :

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

**EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW**

**SARA 302 Reportable  
Quantity** :

**SARA 304 Components** : This material does not contain any components with a section 304 EHS RQ.



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**California Prop. 65 Components** : 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:**

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

### SECTION 16. OTHER INFORMATION

**Further information**

**HMIS Classification** : Health hazard: 0  
Flammability: 1  
Physical hazards: 0





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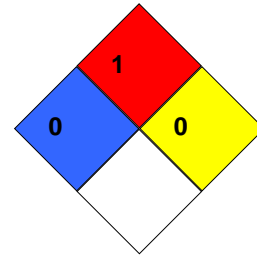
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**NFPA Classification** : Health hazard: 0  
Fire Hazard: 1  
Reactivity Hazard: 0



### 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.