



Material Safety Data Sheet

ROYCO 13CF MIL-G-25013E

Version: 1.0

Revision Date: 08/04/2010

Print Date: 09/12/2011

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *ROYCO 13CF MIL-G-25013E*

Product Use Description: Grease
Lubricant

Company: Chemtura Corporation
199 Benson Road
Middlebury, CT
06749
United States of America

Telephone: 866-430-2775

Emergency telephone: 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
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SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION!

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Hazard Summary : Causes eye and skin irritation.

OSHA Hazards : THIS MATERIAL IS 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
- Inhalation : May cause respiratory tract irritation.
- Skin : Causes skin irritation.
- Eyes : Causes eye irritation.
- Ingestion : May be harmful if swallowed.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Weight percent
barium bis(dinonylnaphthalenesulphonate)	25619-56-1	1 - 5 %

SECTION 4. FIRST AID MEASURES

First aid procedures

- Inhalation : Remove to fresh air.
Aspiration may cause pulmonary oedema and pneumonitis.
If breathing is difficult, give oxygen.
If symptoms persist, call a physician.
- Skin contact : Wash off with warm water and soap.
If skin irritation persists, call a physician.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Obtain medical attention.
- Ingestion : Obtain medical attention.
Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties



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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 : (on small fires)
Carbon dioxide (CO₂)
Dry chemical
Dry sand
Extinguishing media - large fires
Foam
Water mist

Unsuitable extinguishing media : High volume water jet

Further information : Cool containers / tanks with water spray.

Protective equipment and precautions for firefighters

Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire.
Burning produces irritant fumes.
Exposure to decomposition products may be a hazard to health.

Special protective equipment for fire-fighters : Self-contained breathing apparatus with full face-piece operated in positive pressure mode.
Body covering protective clothing, full "turn-out" gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear suitable protective equipment.

Environmental precautions : Should not be released into the environment.
Do not flush into surface water or sanitary sewer system.

Methods for containment / Methods for cleaning up : Scrape up.
Pick up and transfer to properly labelled containers.

SECTION 7. HANDLING AND STORAGE

Handling



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Handling procedures : Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with skin, eyes and clothing.
Wear suitable protective equipment.
Keep tightly closed.
Protect from contamination.

Storage

Requirements for storage areas and containers : Keep tightly closed in a dry, cool and well-ventilated place.
Protect from contamination.

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

Personal protective equipment

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

Hand protection : Impervious gloves

Skin and body protection : impervious clothing

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
Respirator with combination filter for vapour/particulate (EN 141).

Hygiene measures : If high pressure forces the product under the skin get immediate medical attention!

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : paste
Colour : white

Safety data



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Ignition temperature : Remarks: not determined

Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available

Boiling point/boiling range : Note: no data available

Specific Gravity : > 0.9 at

Water solubility : Note: negligible

Partition coefficient: n-octanol/water : Note: no data available

Solubility in other solvents : Note: partly soluble

SECTION 10. STABILITY AND REACTIVITY

Materials to avoid : Remarks: Oxidizing agents

Hazardous decomposition products : Note: Carbon oxides
Oxides of calcium
Sulphur oxides

Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50: > 5,000 mg/kg
Species: rat

12. ECOLOGICAL INFORMATION

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.



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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

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

SARA 311/312 Hazards : Acute Health Hazard

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

TSCA Listed on TSCA

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

KECI On the inventory, or in compliance with the inventory

PICCS On the inventory, or in compliance with the inventory



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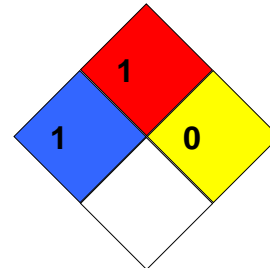
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SECTION 16. OTHER INFORMATION

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

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.