Material Safety Data Sheet

ROYCO C-201

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ROYCO C-201
Product Use Description: Grease

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
06/09/2011
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+011-886-2-2712-5668
MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION!

Form: paste
Colour: tan
Odour: mild

Hazard Summary: Causes eye and skin irritation.


Potential Health Effects

Primary Routes of Entry: Skin contact
Eye contact

Aggravated Medical Condition

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

<table>
<thead>
<tr>
<th>Component / CAS-No.</th>
<th>Weight percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>calcium bis(dinonylnaphthalenesulphonate) 57855-77-3</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>iron tris(2-ethylhexanoate) 7321-53-1</td>
<td>1 - 5 %</td>
</tr>
</tbody>
</table>

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. Cool skin rapidly with cold water after contact with molten material.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.

Ingestion: Do NOT induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point: > 392 °F (> 200 °C) Method: open cup
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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
Water mist
Foam

Unsuitable extinguishing media
Further information : Water spray jet
Cool containers / tanks with water spray.

Protective equipment and precautions for firefighters
Specific hazards during fire fighting : 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 : Dam up.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Pick up and transfer to properly labelled containers.

SECTION 7. HANDLING AND STORAGE

Handling
Handling procedures : Handle in accordance with good industrial hygiene and safety practice.
Wear suitable protective equipment.
Avoid contact with skin, eyes and clothing.
Keep tightly closed.
Protect from contamination.
Storage
Requirements for storage areas and containers: Keep tightly closed in a dry, cool and well-ventilated place.
Further information on storage conditions: Keep away from strong oxidizing agents.
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
Engineering measures: Use with adequate ventilation.

Personal protective equipment
Eye protection: Safety goggles
Hand protection: When handling hot material, use heat resistant gloves.
Skin and body protection: Impervious clothing
Respiratory protection: No personal respiratory protective equipment normally required.
In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.
Use only with adequate ventilation.
Avoid breathing vapors, mist or gas.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Form: paste
Colour: tan
Odour: mild

Safety data
Flash point: > 392 °F (> 200 °C)
Method: open cup
Ignition temperature: Remarks: not determined
Lower explosion limit: Note: no data available
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Upper explosion limit : Note: no data available
Boiling point/boiling range : Note: no data available
Density : 0.9 - 0.95 g/cm³
Specific Gravity : 1.34 at
Water solubility : Note: negligible
Solubility in other solvents : Note: partly soluble

SECTION 10. STABILITY AND REACTIVITY

Materials to avoid : Remarks: Strong oxidizing agents
Hazardous decomposition products : Note: Oxides of calcium
                                           Sulphur oxides
                                           Carbon oxides
Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity calcium bis(dinonylnaphthalenesulphonate) : LD50: > 5,000 mg/kg
Species: rat

Acute inhalation toxicity calcium bis(dinonylnaphthalenesulphonate) : Acute toxicity estimate: > 15 mg/l
Method: Expert judgement

Acute dermal toxicity calcium bis(dinonylnaphthalenesulphonate) : LD50: > 5,000 mg/kg
Species: rat

Skin irritation : Remarks: May irritate skin.

Eye irritation : Remarks: May irritate eyes.

Sensitisation calcium bis(dinonylnaphthalenesulphonate) : Patch Test
Species: Human
Classification: Did not cause sensitization on laboratory animals.
CMR effects
calcium
bis(dinonylnaphthalenesulphonate)

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

12. ECOLOGICAL INFORMATION

Biodegradability
calcium
bis(dinonylnaphthalenesulphonate)

Result: According to the results of tests of biodegradability this product is not readily biodegradable.
Remarks:
Information given is based on data obtained from similar substances.

Further information on ecology
Additional ecological information
: No information on ecology is available.

SECTION 13. DISPOSAL CONSIDERATIONS

Further information
: In accordance with local and national regulations.

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:

**US.TSCA**  
On TSCA Inventory

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

**AICS**  
Not in compliance with the inventory

**NZIoC**  
Not in compliance with the inventory

**ENCS**  
Not 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**  
Not in compliance with the inventory

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

### SECTION 16. OTHER INFORMATION

**Further information**

**HMIS Classification** :  
- Health hazard: 1
- Flammability: 1
- Reactivity: 0
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NFPA Classification:
- Health hazard: 1
- Fire Hazard: 1
- Reactivity Hazard: 0

Other Emergency Phone Number

<table>
<thead>
<tr>
<th>Region</th>
<th>Country</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latin America</td>
<td>Brazil</td>
<td>+55 113 711 9144</td>
</tr>
<tr>
<td></td>
<td>All other countries</td>
<td>+44 (0) 1235 239 670</td>
</tr>
<tr>
<td>Mexico</td>
<td></td>
<td>+52 555 004 8763</td>
</tr>
</tbody>
</table>

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