



# SAFETY DATA SHEET



## ROYCO 308CA MIL-PRF-32033

Version: 1.2

Revision Date: 05/21/2015

Print Date: 07/24/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ROYCO 308CA MIL-PRF-32033  
GENERAL PURPOSE, WATER-DISPLACING OIL

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: +1 203-573-4596, Toll Free: +1 888-263-3765

Email: msdsrequest@chemtura.com  
Emergency telephone number: 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  
(US) +1 866-430-2775  
  
MSDSRequest@chemtura.com

Recommended use of the chemical and restrictions on use

Recommended use : Lubricant

Restrictions on use : Reserved for industrial and professional use.

### SECTION 2. HAZARDS IDENTIFICATION

Form	liquid
Colour	amber
Odour	slight hydrocarbon-like

#### GHS Classification

Acute aquatic toxicity : Category 3  
Chronic aquatic toxicity : Category 3

#### GHS Label element



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Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Other hazards : None

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Carcinogenicity:

**IARC** Group 3: Not classifiable as to its carcinogenicity to humans  
Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5  
2,6-di-tert-butyl-p-cresol 128-37-0  
2-butoxyethanol 111-76-2

**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.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	>= 50 - < 70 %
Paraffin oils (petroleum), catalytic dewaxed light	64742-71-8	>= 30 - < 50 %
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	>= 20 - < 30 %
calcium bis(dinonylnaphthalenesulphonate)	57855-77-3	>= 1 - < 5 %
2,6-di-tert-butyl-p-cresol	128-37-0	>= 0.1 - < 1 %
2-butoxyethanol	111-76-2	>= 0.1 - < 1 %

## SECTION 4. FIRST AID MEASURES

If inhaled : 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.

In case of skin contact : In case of skin contact



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- 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.
- In case of eye contact : In case of eye contact  
Rinse thoroughly with plenty of water, also under the eyelids.  
If eye irritation persists, consult a specialist.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Consult a physician if necessary.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Foam  
Alcohol-resistant foam  
Water mist
- Unsuitable extinguishing media : Water  
High volume water jet
- Specific hazards during firefighting : Burning produces noxious and toxic fumes.
- Specific extinguishing methods : In the event of fire, cool tanks with water spray.
- 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, protective equipment and emergency procedures : 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 and materials for containment and 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).

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : 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.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid : Strong acids and strong bases

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0
Paraffin oils (petroleum), catalytic dewaxed light	64742-71-8	TWA (Inhalable fraction)	5 mg/m3	ACGIH
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0
2,6-di-tert-butyl-p-cresol	128-37-0	TWA	10 mg/m3	OSHA P0
		TWA (Inhalable fraction and vapor)	2 mg/m3	ACGIH



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		TWA (Inhalable fraction and vapor)	2 mg/m3	ACGIH
		TWA	10 mg/m3	NIOSH REL
2-butoxyethanol	111-76-2	TWA	20 ppm	ACGIH
		TWA	50 ppm 240 mg/m3	OSHA Z-1
		TWA	25 ppm 120 mg/m3	OSHA P0
		TWA	5 ppm 24 mg/m3	NIOSH REL

### Biological occupational exposure limits

Component	CAS-No.	Control parameters	Sampling time	Sampling time	Permissible concentration	Basis

### Personal protective equipment

- 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.
- Hand protection  
Remarks : Neoprene gloves
- Eye protection : Safety glasses with side-shields  
Tightly fitting safety goggles
- Skin and body protection : impervious clothing
- 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 : liquid
- Color : amber
- Odor : slight hydrocarbon-like
- Odour Threshold : No data available
- pH : Not applicable
- Melting point/range :  
Not applicable
- Boiling point/boiling range : No data available



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Evaporation rate : No data available  
Flash point : 150 °C  
Method: open cup  
  
Upper explosion limit : No data available  
Lower explosion limit : No data available  
Vapour pressure : No data available  
Relative vapour density : No data available  
Relative density : 0.89  
Solubility(ies)  
Water solubility : slightly soluble  
Solubility in other solvents : No data available  
  
Partition coefficient: n-  
octanol/water : No data available  
Auto-ignition temperature : not determined  
  
Viscosity  
Viscosity, kinematic : No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.  
Chemical stability : No decomposition if stored and applied as directed.  
Possibility of hazardous  
reactions : Hazardous polymerisation does not occur.  
Conditions to avoid : Heat.  
Incompatible materials : Strong acids and strong bases  
Hazardous decomposition  
products : Carbon oxides

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product) : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method



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- Acute inhalation toxicity (Product) : Acute toxicity estimate: > 40 mg/l  
Exposure time: 4 h  
Method: Calculation method
- Acute dermal toxicity (Product) : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method
- Skin irritation calcium bis(dinonylnaphthalenesulphonate) (Component) : Species: Rabbit  
Result: Irritating to skin.  
Remarks: see user defined free text
- 2,6-di-tert-butyl-p-cresol (Component) : Species: Rabbit  
Result: No skin irritation
- 2-butoxyethanol (Component) : Result: Irritating to skin.
- Eye irritation calcium bis(dinonylnaphthalenesulphonate) (Component) : Species: Rabbit  
Result: Irritating to eyes.
- 2,6-di-tert-butyl-p-cresol (Component) : Species: Rabbit  
Result: No eye irritation
- 2-butoxyethanol (Component) : Result: Irritating to eyes.
- Sensitisation calcium bis(dinonylnaphthalenesulphonate) (Component) : Patch Test  
Species: Human  
Classification: Did not cause sensitisation on laboratory animals.
- 2,6-di-tert-butyl-p-cresol (Component) : Species: Guinea pig  
Classification: Did not cause sensitisation on laboratory animals.
- Aspiration toxicity (Product) : No aspiration toxicity classification
- CMR effects calcium bis(dinonylnaphthalenesulphonate) (Component) : Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
- 2,6-di-tert-butyl-p-cresol (Component) : Mutagenicity: Animal testing did not show any mutagenic effects.  
Teratogenicity: No effects on or via lactation  
Reproductive toxicity: No toxicity to reproduction



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

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

Toxicity to fish (Product) : Remarks:  
No data available

Toxicity to daphnia and other : Remarks:  
aquatic invertebrates No data available  
(Product)

#### Elimination information (persistence and degradability)

Bioaccumulation (Product) : Remarks:  
No data available

Mobility (Product) : Remarks:  
No data available

Biodegradability (Product) : Result: No data available

#### Further information on ecology

##### Ecotoxicology Assessment

Results of PBT assessment (Product)

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological : No information on ecology is available.  
information (Product)

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : 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

#### ADR





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Not dangerous goods

### RID

Not dangerous goods

### MERCOSUR

Not dangerous goods

### DOT

Not dangerous goods

### IATA

Not dangerous goods

### IMDG

Not dangerous goods

## SECTION 15. REGULATORY INFORMATION

**TSCA list** : Not relevant  
Not relevant

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

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

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### US State Regulations

#### California Prop 65

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:

##### US.TSCA

On TSCA Inventory

##### DSL

This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.



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<b>AICS</b>	On the inventory, or in compliance with the inventory
<b>NZIoC</b>	On the inventory, or in compliance with the inventory
<b>ENCS</b>	On the inventory, or in compliance with the inventory
<b>KECI</b>	On the inventory, or in compliance with the inventory
<b>PICCS</b>	On the inventory, or in compliance with the inventory
<b>IECSC</b>	On the inventory, or in compliance with the inventory

### SECTION 16. OTHER INFORMATION

#### Further information

#### 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.