



# SAFETY DATA SHEET

## ROYCO 43 SAE-AMS-G-4343

Version: 1.1

Revision Date: 01/08/2015

Print Date: 03/31/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ROYCO 43 SAE-AMS-G-4343  
(SAE-AMS-G-4343C) PNEUMATIC SYSTEMS GREASE

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

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

MSDSRequest@chemtura.com

Recommended use of the chemical and restrictions on use

Recommended use : Lubricant

Restrictions on use : None known.

### SECTION 2. HAZARDS IDENTIFICATION

Form	viscous liquid
Colour	tan
Odour	mild hydrocarbon-like

#### GHS Classification

Skin sensitisation : Category 1  
Acute aquatic toxicity : Category 3  
Chronic aquatic toxicity : Category 3

#### GHS Label element


Signal word : **Warning**

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- Hazard pictograms : 
- Hazard statements : H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.
- Other hazards : None
- Precautionary statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.
- Self-ignitable : No data 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 probable, possible or confirmed human carcinogen by IARC.  
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.  
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.  
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.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Chemical Name	CAS-No.	Concentration (%)
1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	68649-12-7	>= 50 - < 70 %
lithium stearate	4485-12-5	>= 10 - < 20 %
calcium bis(dinonylnaphthalenesulphonate)	57855-77-3	>= 1 - < 5 %
NJTS#: 46728100000-0002 - Proprietary amine		>= 0.1 - < 1 %

### SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.  
Aspiration may cause pulmonary oedema and pneumonitis.  
If breathing is difficult, give oxygen.  
If symptoms persist, call a physician.
  
- In case of skin contact : Wash off with warm water and soap.  
If skin irritation persists, call a physician.
  
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,  
for at least 15 minutes.  
Obtain medical attention.
  
- If swallowed : Obtain medical attention.  
Never give anything by mouth to an unconscious person.
  
- Most important symptoms and effects, both acute and delayed : Sensitisation
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

### SECTION 5. FIREFIGHTING MEASURES

- 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
  
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.

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Burning produces irritant fumes.  
Exposure to decomposition products may be a hazard to health.

- Specific extinguishing methods : Cool containers/tanks with water spray.
- Special protective equipment for firefighters : 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, protective equipment and emergency procedures : Wear suitable protective equipment.
- Environmental precautions : Should not be released into the environment.  
Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Scrape up. Pick up and transfer to properly labelled containers.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : 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.
- Conditions for safe storage : Keep tightly closed in a dry, cool and well-ventilated place.  
Protect from contamination.
- Materials to avoid : Oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	68649-12-7	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	NIOSH REL

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		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0
lithium stearate	4485-12-5	TWA	10 mg/m3	ACGIH
NJTS#: 46728100000-0002 - Proprietary amine		TWA	10 ml/m3	ACGIH

### Personal protective equipment

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
- Hand protection  
Remarks : Impervious gloves
- Eye protection : Safety glasses with side-shields  
or  
Tightly fitting safety goggles
- Skin and body protection : impervious clothing
- Hygiene measures : If high pressure forces the product under the skin get immediate medical attention!

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : viscous liquid
- Color : tan
- Odor : mild hydrocarbon-like
- Odour Threshold : No data available
- pH : No data available
- Melting point/range :  
No data available
- Boiling point/boiling range : No data available
- Evaporation rate : No data available
- Flash point : > 200 °C  
Method: open cup
- Auto-flammability : No data available
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : Not applicable
- Relative vapour density : No data available
- Relative density : 0.8
- Solubility(ies)

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Water solubility	: negligible
Solubility in other solvents	: partly soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: not determined
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Contamination
Incompatible materials	: Oxidizing agents
Hazardous decomposition products	: Carbon oxides Metal oxides

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity calcium bis(dinonylnaphthalenesulph onate) (Component) NJTS#: 46728100000-0002 - Proprietary amine (Component)	: LD50: > 5,000 mg/kg Species: Rat : LD50: 1,625 mg/kg Species: Rat
Acute inhalation toxicity calcium bis(dinonylnaphthalenesulph onate) (Component)	: Acute toxicity estimate: > 15 mg/l Method: Expert judgement
Acute dermal toxicity calcium bis(dinonylnaphthalenesulph onate) (Component)	: LD50: > 5,000 mg/kg Species: Rat

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NJTS#: 46728100000-0002 - : LD50 Dermal: > 5,000 mg/kg  
Proprietary amine : Species: Rabbit  
(Component)

Skin irritation  
1-Decene, tetramer, mixed : Result: No skin irritation  
with 1-decene trimer,  
hydrogenated (Component)  
calcium : Species: Rabbit  
bis(dinonylnaphthalenesulph  
onate) (Component) Result: Irritating to skin.  
Remarks: see user defined free text

NJTS#: 46728100000-0002 - : Species: Rabbit  
Proprietary amine : Result: No skin irritation  
(Component) Method: Draize Test

Eye irritation  
1-Decene, tetramer, mixed : Result: No eye irritation  
with 1-decene trimer,  
hydrogenated (Component)  
calcium : Species: Rabbit  
bis(dinonylnaphthalenesulph  
onate) (Component) Result: Irritating to eyes.  
NJTS#: 46728100000-0002 - : Species: Rabbit  
Proprietary amine : Result: No eye irritation  
(Component) Method: OECD Test Guideline 405

Sensitisation  
calcium : Patch Test  
bis(dinonylnaphthalenesulph  
onate) (Component) Species: Human  
Classification: Did not cause sensitisation on laboratory animals.

NJTS#: 46728100000-0002 - : Maximisation Test (GPMT)  
Proprietary amine : Species: Guinea pig  
(Component) Classification: May cause sensitisation by skin contact.  
Result: May cause sensitisation by skin contact.

Patch Test  
Species: Human  
Classification: May cause sensitisation by skin contact.  
Result: The product is a skin sensitiser, sub-category 1A.

Aspiration toxicity (Product) : No aspiration toxicity classification

CMR effects  
1-Decene, tetramer, mixed : Carcinogenicity: Animal testing did not show any carcinogenic effects.  
with 1-decene trimer, : Mutagenicity: Animal testing did not show any mutagenic effects.  
hydrogenated (Component) Teratogenicity: No effects on or via lactation, Did not show teratogenic  
effects in animal experiments.

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Reproductive toxicity: No toxicity to reproduction

- lithium stearate (Component) : Mutagenicity: In vitro tests did not show mutagenic effects
- calcium bis(dinonylnaphthalenesulphonate) (Component) : Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
- NJTS#: 46728100000-0002 - Proprietary amine (Component) : Carcinogenicity: Animal testing did not show any carcinogenic effects. Mutagenicity: Animal testing did not show any mutagenic effects., Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
- Further information (Product) : There is no data available for this product.

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

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

#### Toxicity to daphnia and other aquatic invertebrates

1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated (Component) : EC50: 190 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)

NJTS#: 46728100000-0002 - Proprietary amine (Component) : EC50: 0.68 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
semi-static test Analytical monitoring: yes

#### Toxicity to bacteria

NJTS#: 46728100000-0002 - Proprietary amine (Component) : EC50: 2 mg/l  
Exposure time: 48 h  
Species: Protozoa

EC50: > 10,000 mg/l  
Exposure time: 3 h  
Species: Bacteria

#### Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

NJTS#: 46728100000-0002 - Proprietary amine (Component) : NOEC: 0.02 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Analytical monitoring: yes

#### Elimination information (persistence and degradability)



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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 mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information (Product) : There is no data available for this product.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : In accordance with local and national regulations.

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## SECTION 14. TRANSPORT INFORMATION

### ADR

Not dangerous goods

### RID

Not dangerous goods

### MERCOSUR

Not dangerous goods

### DOT

Not dangerous goods

### IATA

Not dangerous goods

### IMDG

Not dangerous goods



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### SECTION 15. REGULATORY INFORMATION

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

##### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
aniline	62-53-3	5000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
aniline	62-53-3	5000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 311/312 Hazards** : Acute Health Hazard

**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

WARNING! This product contains a chemical known to the State of California to cause cancer.

aniline

62-53-3

**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.

**AICS**

On the inventory, or in compliance with the inventory

**NZIoC**

Not in compliance with the inventory

**ENCS**

On the inventory, or 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**

On the inventory, or in compliance with the inventory

### SECTION 16. OTHER INFORMATION



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### 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.