



Material Safety Data Sheet



ROYCO 49 MIL-DTL-23549D

Version: 1.0

Revision Date: 09/02/2010

Print Date: 09/12/2011

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *ROYCO 49 MIL-DTL-23549D*

Product Use Description: Grease

Chemical nature: Lubricant

Company: 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: 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
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SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

WARNING!

Form: paste Colour: black

Hazard Summary : Harmful if swallowed.
Contains a component which is a possible cancer hazard based on animal data.



Material Safety Data Sheet



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OSHA Hazards

THIS MATERIAL IS HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.

Potential Health Effects

Primary Routes of Entry : Skin contact
Eye contact

Inhalation : May cause irritation of respiratory tract.

Skin : May cause skin irritation.

Eyes : May cause eye irritation.

Ingestion : Harmful if swallowed.

Chronic Exposure : Contains a component which is a possible cancer hazard based on animal data.

Carcinogenicity:

IARC

Group 2A: Probably carcinogenic to humans
sodium nitrite 7632-00-0

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS-No.	Weight percent
sodium nitrite	7632-00-0	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.



Material Safety Data Sheet



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- 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
- 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 : Water spray jet
- Further information : 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.



Material Safety Data Sheet



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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

We are not aware of any national exposure limit.

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



Material Safety Data Sheet



ROYCO 49 MIL-DTL-23549D

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- 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 : black

Safety data

- Flash point : > 392 °F (200 °C)
Method: open cup
- 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 : 0.99 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.



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SECTION 11. TOXICOLOGICAL INFORMATION

Skin irritation : Remarks: May irritate skin.

Eye irritation : Remarks: May irritate eyes.

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

12. ECOLOGICAL INFORMATION

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



Material Safety Data Sheet



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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
Chronic Health Hazard

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

TSCA : On TSCA Inventory

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

AICS : 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

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification : Health hazard: 2
Chronic Health Hazard: *
Flammability: 1
Reactivity: 0



Material Safety Data Sheet



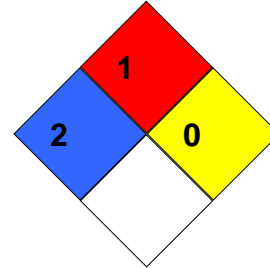
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NFPA Classification : Health hazard: 2
Fire Hazard: 1
Reactivity Hazard: 0



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.