



Material Safety Data Sheet

ROYCO 11MS

Version: 1.0

Revision Date: 05/17/2010

Print Date: 09/12/2011

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *ROYCO 11MS*

Product Use Description: Grease

Chemical nature: Lubricant

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

Emergency telephone: CHEMTREC: (24 hours) 800-424-9300
:

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by: Product Safety Department
(US) +1 866-430-2775

+011-886-2-2712-5668 MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Caution

Form: paste Colour: black Odour: odourless

Hazard Summary : May cause eye and skin irritation.

OSHA Hazards : THIS MATERIAL IS NOT 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 irritation of respiratory tract.
- Skin : May cause skin irritation.
- Eyes : May cause eye irritation.
- Ingestion : May be harmful if swallowed.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

No ingredients are hazardous according to HCS criteria.

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 : 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.

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.



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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 : black

Odour : odourless



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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 : > 0.9 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

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 : No information on ecology is available.



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information

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 not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

SARA 311/312 Hazards : No SARA Hazards

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.



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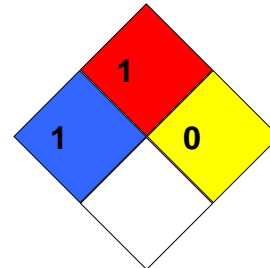
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SECTION 16. OTHER INFORMATION

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.