

# SAFETY DATA SHEET

## ROYCO 64 MIL-G-21164



Version 1.0      Revision Date: 10/01/2020      SDS Number: 203000016248      Date of last issue: -  
Country / Language: US / EN

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### SECTION 1. IDENTIFICATION

Product name : ROYCO 64 MIL-G-21164

Product code : 00000000058323129

#### Manufacturer or supplier's details

Company : LANXESS Corporation  
Product Safety & Regulatory Affairs  
111 RIDC Park West Drive  
15275-1112 Pittsburgh, United States of America

Responsible Department : +1800LANXESS

Emergency telephone number : CHEMTREC: +1 (800) 424 9300  
International: +1 (703) 527 3887  
LANXESS Emergency Phone: +1 (866) 673 6350

#### Recommended use of the chemical and restrictions on use

Recommended use : Lubricants and lubricant additives

Restrictions on use : Reserved for industrial and professional use.

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### SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200).**

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Other hazards

None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Lubricant

#### Components

No hazardous ingredients

# SAFETY DATA SHEET

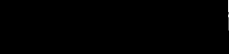
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### SECTION 4. FIRST AID MEASURES

- If inhaled :  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.  
Cool skin rapidly with cold water after contact with molten material.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Get medical attention immediately.
- If swallowed : Do NOT induce vomiting.

# SAFETY DATA SHEET

## ROYCO 64 MIL-G-21164



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Metal oxides  
Nitrogen oxides (NO<sub>x</sub>)

- Further information : 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 : 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

- Advice on safe handling : 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.
- Conditions for safe storage : Keep tightly closed in a dry, cool and well-ventilated place.
- Further information on storage conditions : Incompatible with oxidizing agents.
- Further information on storage stability : Stable under recommended storage conditions.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
lithium 12-hydroxystearate	7620-77-1	TWA (Inhalable particu-	10 mg/m <sup>3</sup>	ACGIH

# SAFETY DATA SHEET

## ROYCO 64 MIL-G-21164



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		late matter)		
		TWA (Respirable particulate matter)	3 mg/m3	ACGIH
molybdenum disulphide	1317-33-5	TWA (total dust)	15 mg/m3 (Molybdenum)	OSHA Z-1
		TWA (Inhalable particulate matter)	10 mg/m3 (Molybdenum)	ACGIH
		TWA (Respirable particulate matter)	3 mg/m3 (Molybdenum)	ACGIH

**Engineering measures** : Use with adequate ventilation.

### Personal protective equipment

**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.

**Hand protection**

**Remarks** : When handling hot material, use heat resistant gloves.

**Eye protection** : Safety goggles

**Skin and body protection** : Impervious clothing

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

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : viscous liquid

**Colour** : dark grey

**Odour** : mild, oily

**Odour Threshold** : No data available

**pH** : No data available

# SAFETY DATA SHEET

## ROYCO 64 MIL-G-21164



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---

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : > 374 °F / 190 °C  
Method: open cup

Evaporation rate : No data available

Self-ignition : No data available

Burning number : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : Not applicable

Relative vapour density : No data available

Relative density : No data available

Density : 0.9 - 0.95 g/cm<sup>3</sup>

Solubility(ies)  
Water solubility : negligible

Solubility in other solvents : partly soluble

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : not determined

Decomposition temperature : No data available

Self-Accelerating decomposition temperature (SADT) : Method: No information available.

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

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Version 1.0      Revision Date: 10/01/2020      SDS Number: 203000016248      Date of last issue: -  
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### 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 : Exposure to moisture  
Contamination

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Oxides of calcium  
Sulphur oxides  
Carbon oxides

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### SECTION 11. TOXICOLOGICAL INFORMATION

The most important known symptoms and effects are described in Section 2 and/or Section 4.

#### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact

#### Acute toxicity

Not classified based on available information.

#### Product:

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

Acute inhalation toxicity : Acute toxicity estimate: > 200 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

#### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.



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Toxicity to daphnia and other aquatic invertebrates : Remarks: No data is available on the product itself.

### **Persistence and degradability**

#### **Product:**

Biodegradability : Result: No data available

### **Bioaccumulative potential**

#### **Product:**

Bioaccumulation : Remarks: No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

#### **Product:**

Additional ecological information : No information on ecology is available.

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal methods**

RCRA - Resource Conservation and Recovery Authorization Act : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

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

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## **SECTION 14. TRANSPORT INFORMATION**

### **International Regulations**

#### **IATA-DGR**

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

### **National Regulations**

# SAFETY DATA SHEET

## ROYCO 64 MIL-G-21164



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/01/2020	203000016248	Country / Language: US / EN

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### 49 CFR

Not regulated as a dangerous good

Hazard and Handling Notes. : Not dangerous cargo, Keep separated from foodstuffs

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## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

# SAFETY DATA SHEET

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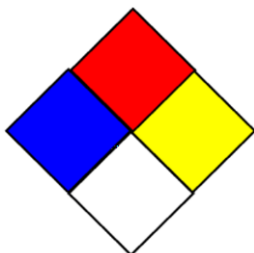
Version  
1.0

Revision Date:  
10/01/2020

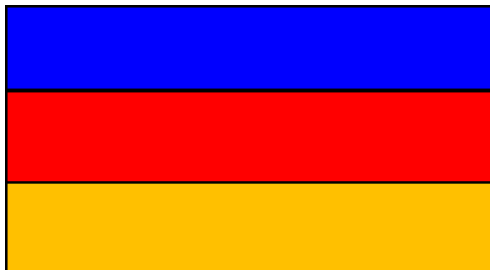
SDS Number:  
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### NFPA 704:



### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants  
ACGIH / TWA : 8-hour, time-weighted average  
OSHA Z-1 / TWA : 8-hour time weighted average

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---

(Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS Safety Data Sheet; TCSI Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. 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 to be a guidance for processing and does not contain any 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. It is the responsibility of the recipient of the product to ensure that any proprietary rights and existing laws and legislation are observed.