





# Material Safety Data Sheet



## ROYCO 22CF MIL-PRF-81322G

Version: 1.1

Revision Date: 07/23/2010

Print Date: 09/12/2011

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
- Aggravated Medical Condition : Dermatitis
- Inhalation : Dust may cause irritation of the respiratory tract.
- Skin : Irritating to skin.
- Eyes : Irritating to eyes.
- Ingestion : May be harmful if swallowed.
- Chronic Exposure : Limited evidence of a carcinogenic effect.

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 : 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



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- quickly as possible.  
Get medical attention.
- Skin contact : In case of skin contact  
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.
- Eye contact : In case of eye contact  
Flush with plenty of water.  
If eye irritation persists, consult a specialist.
- Ingestion : If swallowed, DO NOT induce vomiting.  
Consult a physician if necessary.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Flammable properties

- Flash point : > 446 °F (230 °C)  
Method: open cup
- Ignition temperature : Remarks: not applicable
- Lower explosion limit : Remarks: no data available
- Upper explosion limit : Remarks: no data available

#### Fire fighting

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Foam  
Alcohol-resistant foam  
Water mist
- Unsuitable extinguishing media : Water
- Further information : In the event of fire, cool tanks with water spray.

#### Protective equipment and precautions for firefighters

- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.



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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.
- Environmental precautions : Do not contaminate water.  
Do not flush into surface water or sanitary sewer system.  
Discharge into the environment must be avoided.
- Methods for containment /  
Methods for cleaning up : Shovel into suitable container for disposal.
- Additional advice : Remove all sources of ignition.  
Clean contaminated surface thoroughly.  
Material can create slippery conditions.

### SECTION 7. HANDLING AND STORAGE

- Handling
- Handling procedures : Keep container closed when not in use.  
Ensure all equipment is electrically grounded before beginning transfer operations.
- Storage**
- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
- 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.  
Local ventilation is needed in the presence of airborne mists.  
Ensure that eyewash stations and safety showers are close to the workstation location.

#### Personal protective equipment

- Eye protection : Safety glasses with side-shields  
Tightly fitting safety goggles
- Hand protection : Neoprene gloves



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Skin and body protection : impervious clothing

Respiratory protection : not required under normal use  
In the case of dust or aerosol formation use respirator with an approved filter.

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

Form : paste  
Colour : dark brown  
Odour : slight

#### Safety data

Flash point : > 446 °F (230 °C)  
Method: open cup

Ignition temperature : Remarks: not applicable

Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available

pH : Note: not applicable

Vapour pressure : Note: no data available

Specific Gravity : 0.88 at

### SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Heat.  
High temperatures.

Materials to avoid : Remarks: Strong acids and strong bases

Hazardous decomposition products : Note: Carbon oxides



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Hazardous reactions : Hazardous polymerisation does not occur.

### SECTION 11. TOXICOLOGICAL INFORMATION

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

### 12. ECOLOGICAL INFORMATION

#### Further information on ecology

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

### SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Dispose of waste material in compliance with all federal, state, and local regulations.

Contaminated packaging : Do not burn, or use a cutting torch on, the empty drum.

### SECTION 14. TRANSPORT INFORMATION

#### DOT

Not dangerous goods

#### TDG

Not dangerous goods

#### IATA

Not dangerous goods

#### IMDG

Not dangerous goods

#### RID

Not dangerous goods



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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

**IECSC** On the inventory, or in compliance with the inventory

### SECTION 16. OTHER INFORMATION

**Further information**

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



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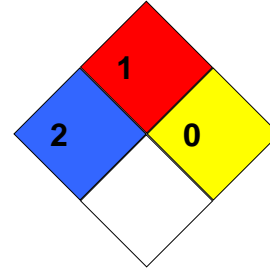
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### NFPA Classification

: 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.