



Material Safety Data Sheet

ROYCO 783

1 . Product and company identification

Product name : ROYCO 783
Material uses : Lubricant.
Supplier/Manufacturer : Anderol, Inc., a Chemtura Company
 215 Merry Lane
 East Hanover, NJ 07936
 Tel: (973) 887-7410
 Fax: (973) 887-8422
MSDS # : EH1074
MILSPEC# : MIL-PRF-6083
Validation date : 07/31/2007
MSDS authored by: : Atrion Regulatory Services, Inc.
In case of emergency : CHEMTREC: 800-424-9300 (United States)
 CANUTEC (613) 996-6666 (Canada)

2 . Hazards identification

Physical state : Liquid (Clear.)
Hazard status : This material is classified hazardous under OSHA regulations in the United States, the WHMIS Controlled Product Regulation in Canada, the NOM-018-STPS-2000 in Mexico and Brazil NBR 14725:2001.
Emergency overview : WARNING!
 CAUSES EYE AND SKIN IRRITATION.
 MAY CAUSE ALLERGIC SKIN REACTION.
 Avoid contact with skin and clothing. Wash thoroughly after handling.
Routes of entry : Skin contact. Eye contact. Ingestion.
Potential acute health effects
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.
Skin : Irritating to skin. May cause sensitization by skin contact.
Eyes : Irritating to eyes.
Medical conditions aggravated by over-exposure : Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.
 See toxicological information (section 11)

3 . Composition/information on ingredients

United States

Name	CAS number	%
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	60 - 100
Barium dinonylnaphthalene sulfonate	25619-56-1	1 - 5

Canada

Name	CAS number	%
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	60 - 100
Barium dinonylnaphthalene sulfonate	25619-56-1	1 - 5

Mexico

Classification

Name	UN number	IDLH	H	F	R	Special	CAS number	%
Distillates (petroleum), hydrotreated light naphthenic	Not regulated.	-	1	1	0		64742-53-6	60 - 100
Barium dinonylnaphthalene sulfonate	Not regulated.	-	1	1	0		25619-56-1	1 - 5

Brazil

Name	CAS number	%
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	60 - 100
Barium dinonylnaphthalene sulfonate	25619-56-1	1 - 5

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation occurs.
- Skin contact** : Wash with soap and water. Get medical attention if irritation occurs.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

5 . Fire-fighting measures

- Flammability of the product** : No specific hazard.
- Extinguishing media**
 - Suitable** : Use an extinguishing agent suitable for the surrounding fire.
 - Not suitable** : None known.
- Special exposure hazards** : Not available.
- Hazardous combustion products** : The final products of combustion are carbon oxides and water. Nitrogen, sulfur and metal oxides may also be produced in some cases.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7 . Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 . Exposure controls/personal protection

United States

Product name

Distillates (petroleum), hydrotreated light naphthenic

Exposure limits

ACGIH TLV (United States).
TWA: 5 mg/m³ 8 hour(s).
OSHA PEL 1989 (United States).
TWA: 5 mg/m³ 8 hour(s).

Canada

Product name

Distillates (petroleum), hydrotreated light naphthenic

Exposure limits

ACGIH TLV (United States).
TWA: 5 mg/m³ 8 hour(s).

Mexico

Product name

Distillates (petroleum), hydrotreated light naphthenic

Exposure limits

ACGIH TLV (United States).
TWA: 5 mg/m³ 8 hour(s).

Brazil

Product name

Distillates (petroleum), hydrotreated light naphthenic

Exposure limits

ACGIH TLV (United States).
TWA: 5 mg/m³ 8 hour(s).

Consult local authorities for acceptable exposure limits.

- Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal protection

- Eye protection** : Safety glasses with side shields.
Skin protection/Body : Not applicable.
Respiratory protection : Not applicable.
Hand protection : Natural rubber (latex).



HMIS Code/Personal protective equipment : B

Personal protection in case of a large spill : Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear MSHA/NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

Hygiene measures : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties

Physical state	: Liquid (Clear.)
Color	: Red.
Specific gravity	: 0.85
Flash point	: Open cup: >146°C (294.8°F) (Cleveland.).

10 . Stability and reactivity

Stability and reactivity	: The product is stable.
Conditions of instability	: None known.
Incompatibility with various substances	: Reactive or incompatible with the following materials: oxidizing materials.
Hazardous polymerization	: Will not occur.
Conditions of reactivity	: None known.

11 . Toxicological information

Acute Effects

Eyes	: Irritating to eyes.
Skin	: Irritating to skin. May cause sensitization by skin contact.
Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Potential chronic health effects	: Carcinogenic effects: Not applicable. Mutagenic effects: Not applicable. Teratogenic effects: Not applicable.

12 . Ecological information

Toxicity of the products of biodegradation	: The product itself and its products of degradation are not toxic.
Other adverse effects	: No known significant effects or critical hazards.

13 . Disposal considerations

Waste disposal	: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
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Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 . Transport information

NAERG : Not applicable.

Regulatory information

UN/ IMDG/ IATA DOT/ TDG : Not regulated.

15 . Regulatory information

United States

- HCS Classification** : Irritating material
Sensitizing material
- U.S. Federal regulations** : TSCA 8(b) inventory: All components listed.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Distillates (Petroleum), Hydrotreated Light
SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
Distillates (Petroleum), Hydrotreated Light: Delayed (chronic) health hazard
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: Xylene
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

	Product name	CAS number	Concentration
Form R - Reporting requirements	: Barium dinonylnaphthalene sulfonate	25619-56-1	1 - 5
Supplier notification	: Barium dinonylnaphthalene sulfonate	25619-56-1	1 - 5

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

- State regulations** : **Connecticut Carcinogen Reporting:** None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: The following components are listed: Distillates (petroleum), hydrotreated light naphthenic
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: The following components are listed: Barium dinonylnaphthalene sulfonate
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: The following components are listed: Barium dinonylnaphthalene sulfonate
Rhode Island Hazardous Substances: None of the components are listed.

- California Prop. 65** : No products were found.

Canada

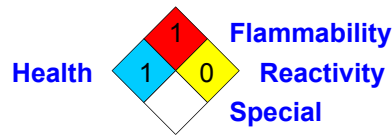
- WHMIS (Canada)** : Class D-2B: Material causing other toxic effects (Toxic).
- Canadian lists** : **CEPA Toxic substances:** None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

DSL ; NDSL : All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Mexico

Classification :



HAZARD RATINGS

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

The Restriction of Hazardous Substances in Electrical and Electronic Equipment (ROHS) Directive (2002/95/EC)

: In compliance.

16 . Other information

Label requirements : CAUSES EYE AND SKIN IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.

Hazardous Material Information System (U.S.A.) :

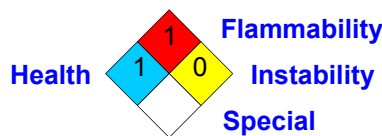
Health	1
Flammability	1
Physical hazards	0
Personal protection	B

HAZARD RATINGS

- 4- Extreme
 - 3- Serious
 - 2- Moderate
 - 1- Slight
 - 0- Minimal
- See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.) :



References : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994. Brazil NBR 14725:2001.

Responsible name : Mr. Max Naggar

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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