

See attached Material Safety Data Sheet (MSDS) for the 10 gallons of hydraulic oil included in this shipment.

Sincerely,

TAD

Elizabeth Bielsa-Mitchell Owner/Executive Administrator <u>zephyradmin@zephyrintl.com</u>

#### ANDEROL Specialty Lubricants

### SAFETY DATA SHEET

### ROYCO 782 MIL-PRF-83282D

Version: 1.6 Revision Date: 07/11/2018 Print Date: 04/02/2020 SECTION 1. PRODUCT AND COMPANY IDENTIFICATION Product name: ROYCO 782 MIL-PRF-83282D Product Use Description: Lubricant Synonyms: Synthetic Lubricant Formulation Company: Manufacturer Anderol Specialty Lubricants, a division of Lanxess Solutions US Inc. 215 Merry Lane East Hanover, NJ 07936 United States of America (USA) Telephone: +1 203-573-4596, Toll Free: +1 888-263-3765 **Emergency telephone** CHEMTREC: (24 hours) 800-424-9300 number: For additional emergency telephone numbers see section 16 of the Safety Data Sheet. Prepared by Product Safety Department (US) +1 866-430-2775 MSDSRequest@lanxess.com Recommended use of the chemical and restrictions on use Recommended use : Lubricant For industrial use only. Restrictions on use :

### **SECTION 2. HAZARDS IDENTIFICATION**

Form	liquid
Colour	red
Odour	No data available

### **GHS Classification**

Acute aquatic toxicity	: Category 3
Chronic aquatic toxicity	: Category 3

#### **GHS** label elements



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Hazard statements	: H412 Harmful to aquatic life with	h long lasting effects.
Other hazards	None	
Precautionary statements	<ul> <li>Prevention: P273 Avoid release to the environity Disposal: P501 Dispose of contents/ contant disposal plant.</li> </ul>	
Carcinogenicity:		
IARC	No component of this product prese equal to 0.1% is identified as proba human carcinogen by IARC.	
OSHA	No component of this product prese equal to 0.1% is on OSHA's list of r	
NTP	No component of this product prese equal to 0.1% is identified as a know by NTP.	ent at levels greater than or

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

Chemical name	CAS-No.	Concentration (%)
2,2',6,6'-tetra-tert-butyl-4,4'-methylenediphenol	118-82-1	>= 1 - < 2.5 %
Phenol, isobutylenated, phosphate [Triphenyl phosphate > 25%]	68937-40-6	>= 0.25 - < 1 %

### SECTION 4. FIRST AID MEASURES

If inhaled	<ul> <li>If inhaled Move to fresh air.</li> <li>If not breathing, give artificial respiration.</li> <li>If breathing is difficult, give oxygen.</li> <li>In case of bluish discolouration (lips, ear lobes, fingernails), give oxygen as quickly as possible.</li> <li>Get medical attention.</li> </ul>	
In case of skin contact	<ul> <li>In case of skin contact</li> <li>Wash off with soap and water.</li> <li>Remove contaminated clothing and s</li> <li>Wash contaminated clothing before redicted to the statement of the st</li></ul>	e-use.
In case of eye contact	: In case of eye contact	
SAP 6.0 SDS 2012-2 NA GHS	2 / 11	SDS Number: 40000001791



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	Flush with plenty of water. If eye irritation persists, consult a	specialist.
If swallowed	: If swallowed, DO NOT induce vom Consult a physician if necessary.	niting.
Most important symptoms and effects, both acute and delayed	: None known.	
Notes to physician	<ul> <li>For specialist advice physicians sl Information Service.</li> </ul>	hould contact the Poisons

### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	Carbon dioxide (CO2) Dry powder Foam Alcohol-resistant foam Water mist	
Unsuitable extinguishing media	High volume water jet	
Specific hazards during firefighting	Burning produces noxious and toxic fumes.	
Specific extinguishing methods	In the event of fire, cool tanks with water spray.	
Special protective equipment for firefighters	In the event of fire, wear self-contained breathing app Use personal protective equipment.	aratus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	:	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).



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 SECTION 7. HANDLING AND STORAGE
 Advice on safe handling
 : Keep container closed when not in use. Do not use pressure to empty drums. Ensure all equipment is electrically grounded before beginning transfer operations.

 Conditions for safe storage
 : Keep container tightly closed in a dry and well-ventilated place.

 Materials to avoid
 : Oxidizing agents, Strong acids and strong bases

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Engineering measures	<ul> <li>Ensure that eyewash stations and safety showers are close to the workstation location.</li> <li>Effective exhaust ventilation system</li> </ul>			
Personal protective equipme	ent			
Respiratory protection	Wear a NIC misting or v	apor occurs, or t	se oved organic cartridge here is potential for a shed threshold value	irborne
Hand protection Remarks	: Neoprene g	gloves		
Eye protection		ses with side-shi g safety goggles		
Skin and body protection	: Impervious	clothing		
Hygiene measures	Handle in a practice.	-	s and clothing. good industrial hygien and at the end of wor	-



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# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	red
Odor	:	No data available
Odour Threshold	:	No data available
рН	:	Not applicable
	:	
		No data available
	•	No data available
Evaporation rate	•	No data available
Flash point	:	232 °C Method: open cup
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	0.85
Density	:	No data available
<u>Solubility(ies)</u>		
Water solubility	:	No data available
Solubility in other solvents	:	No data available
		NI 17 111
Partition coefficient: n- octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viegopity		
Viscosity		No data available
Viscosity, kinematic	•	INU UALA AVAIIADIE
Molocular weight		No data available
Molecular weight	·	INU UALA AVAIIADIE



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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	<ul> <li>Hazardous polymerisation does not occur.</li> <li>Stable under normal conditions.</li> </ul>	
Conditions to avoid	: Contamination Heat, flames and sparks.	
Incompatible materials	<ul> <li>Oxidizing agents</li> <li>Strong acids and strong bases</li> </ul>	
Hazardous decomposition products	: Carbon oxides	

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Product: Acute dermal toxicity	: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Components:	
<b>2,2',6,6'-tetra-tert-butyl-4,</b> Acute oral toxicity	<ul> <li>4'-methylenediphenol:</li> <li>LD50 (Rat, male and female): &gt; 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes</li> </ul>
Acute dermal toxicity	<ul> <li>LD50 (Rabbit, male and female): &gt; 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes</li> </ul>
Carcinogenicity	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.



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### Aspiration toxicity

### Product:

No aspiration toxicity classification

### **Further information**

Product:

Remarks: No data is available on the product itself.

### **SECTION 12. ECOLOGICAL INFORMATION**

#### Ecotoxicity

#### Product:

Toxicity to fish

Toxicity to daphnia and other	:	
aquatic invertebrates		Remarks: No data available

:

### Components:

#### 2,2',6,6'-tetra-tert-butyl-4,4'-methylenediphenol:

_,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Toxicity to fish	:	LC50 (Cyprinodon variegatus (sheepshead minnow)): > 1,000 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Mysid shrimp): > 1,000 mg/l Exposure time: 96 h Test Type: static test
Phenol, isobutylenated, phos	spł	nate [Triphenyl phosphate > 25%]:
Toxicity to fish	:	LC50 (Fish): 0.8 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.202 mg/l Exposure time: 48 h
Toxicity to fish (Chronic toxicity)	:	NOEC: 0.093 mg/l Exposure time: 90 d
Toxicity to daphnia and other		NOEC: 0.0399 mg/l

Remarks: No data available



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Persistence and degradabi	ty		
Product:			
Biodegradability	: Result: No data a	vailable	
<b>C</b>			
Components:			
Phenol, isobutylenated, ph	sphate [Triphenyl ph	nosphate > 25%]:	
Biodegradability	: GLP: yes		
	Remarks: Readily	/ biodegradable.	
Bioaccumulative potential			
Product:			
Bioaccumulation	: Remarks: No data	a available	
Components:			
2,2',6,6'-tetra-tert-butyl-4,4'			
Partition coefficient: n-	: log Pow: 6.24 (68	3 °F / 20 °C)	
octanol/water	GLP: yes		
Phenol, isobutylenated, ph	sphate [Triphenyl pł	nosphate > 25%]:	
Bioaccumulation		s macrochirus (Blue	
	Bioconcentration	factor (BCF): 1,850	
Partition coefficient: n-	: log Pow: 4.85 (77	′ °F / 25 °C)	
octanol/water		-	
Mobility in soil			
Product:			
Mobility	: Remarks: No data	a available	
Other adverse effects			
Product:			
Results of PBT and vPvB		ains no substance o	
assessment	persistent, bioacc	umulating and toxic	; (РВТ).
Additional ecological	: There is no data	available for this pro	oduct.
information			

#### -

Waste from residues	: Dispose of as hazardous waste	in compliance with local and
SAP 6.0 SDS 2012-2 NA GHS	8 / 11	SDS Number: 40000001791



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	national regulations. Dispose of wastes in an approve Do not contaminate ponds, wate chemical or used container. Do not dispose of waste into sev	rways or ditches with
Contaminated packaging	: Do not burn, or use a cutting toro	ch on, the empty drum.

### **SECTION 14. TRANSPORT INFORMATION**

### **International Regulations**

### UNRTDG

Not regulated as a dangerous good

#### 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**

# 49 CFR

Not regulated as a dangerous good

Not classified as dangerous in the meaning of transport regulations.

### **SECTION 15. REGULATORY INFORMATION**

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### **CERCLA** Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ	
		(lbs)	(lbs)	
xylene	1330-20-7	100	*	

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards



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SARA 302	: This material does not contain any 302 EHS TPQ.	components with a section	
SARA 313	known CAS numbers that exceed	: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.	

#### **US State Regulations**

#### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Please note that Section 3 of this document lists only the hazardous components required by the specific country or region hazard communication regulations. The chemical identifiers listed in Section 3 are used globally for hazard communication purposes and may not reflect those used for chemical inventory coverage in a particular country or region. The chemical inventory information given in Section 15 of this document applies to the product as a whole and should be used when evaluating inventory compliance.

The components of this product are reported in the following inventories:						
DSL	All components of this product are on the Canadian DSL					
AICS	On the inventory, or in compliance with the inventory					
NZIoC	On the inventory, or in compliance with the inventory					
ENCS	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					
TCSI	On the inventory, or in compliance with the inventory					
US.TSCA	On TSCA Inventory					

### **SECTION 16. OTHER INFORMATION**

#### Further information

#### Other Emergency Phone Number

Latin America:	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
Mexico:		+52 555 004 8763

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



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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.