

ROYCO SHOCK STRUT FLUID RED

Version: 1.0 Revision Date: 12/05/2014 Print Date: 05/06/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ROYCO SHOCK STRUT FLUID RED

Product Use Description: Lubricant

Company: <u>Manufacturer</u>

Anderol Specialty Lubricants, a division of Chemtura Corporation

215 Merry Lane East Hanover, NJ

07936

United States of America

Telephone: +1 203-573-4596, Toll Free: +1 888-263-3765

Emergency telephone

number:

CHEMTREC: (24 hours) 800-424-9300

703-527-3887

For additional emergency telephone numbers see section 16 of the Safety

Data Sheet.

Prepared by Product Safety Department

(US) +1 866-430-2775

MSDSRequest@chemtura.com

Recommended use of the chemical and restrictions on use

Recommended use : Lubricant

Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

Form	liquid
Colour	red
Odour	slight hydrocarbon-like

GHS Classification

Eye irritation : Category 2A
Carcinogenicity : Category 2
Aspiration hazard : Category 1
Acute aquatic toxicity : Category 3
Chronic aquatic toxicity : Category 3

GHS Label element

SAP 6.0 SDS 2012-2 NA GHS 1/11 SDS Number: 400000001799



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Signal word : **Danger**

Hazard pictograms





Hazard statements : H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation. H351 Suspected of causing cancer.

H412 Harmful to aquatic life with long lasting effects.

Other hazards : None

Precautionary statements : **Prevention**:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read

and understood.

P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear eye protection/ face protection.

P281 Use personal protective equipment as required.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON

CENTER or doctor/ physician.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/

attention.

P331 Do NOT induce vomiting.

P337 + P313 If eye irritation persists: Get medical advice/

attention. Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste

disposal plant.

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.

Group 3: Not classifiable as to its carcinogenicity to humans

Distillates (petroleum), 64742-46-7

hydrotreated middle

Distillates (petroleum), 64742-47-8

hydrotreated light

2,6-di-tert-butyl-p-cresol 128-37-0

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OSHA No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential

carcinogen by OSHA.

No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential

carcinogen by OSHA.

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.

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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	>= 30 - < 50 %
Distillates (petroleum), hydrotreated middle	64742-46-7	>= 10 - < 20 %
Distillates (petroleum), hydrotreated light	64742-47-8	>= 5 - < 10 %
NJTS# 136411-5778P Polyolefins		>= 1 - < 5 %
NJTS# 136411-5892P Barium compounds		>= 1 - < 5 %
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	>= 1 - < 5 %
2,6-di-tert-butyl-p-cresol	128-37-0	>= 0.1 - < 1 %
methyl oleate	112-62-9	>= 0.1 - < 1 %
Phenol, isobutylenated, phosphate (3:1)	68937-40-6	>= 0.1 - < 1 %

SECTION 4. FIRST AID MEASURES

If inhaled : If inhaled

Move to fresh air.

If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

In case of bluish discolouration (lips, ear lobes, fingernails),

give oxygen as quickly as possible.

Call a physician or poison control centre immediately.

In case of 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.

In case of eye contact : In case of eye contact

Rinse thoroughly with plenty of water, also under the eyelids.

If eye irritation persists, consult a specialist.

If swallowed, DO NOT induce vomiting.

Call a physician or poison control centre immediately.

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Most important symptoms and effects, both acute and

delaved

Notes to physician

: Aspiration may cause pulmonary oedema and pneumonitis.

: For specialist advice physicians should contact the Poisons

Information Service.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide (CO2)

> Dry powder Foam

Alcohol-resistant foam

Water mist

Unsuitable extinguishing

media

: Water

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 apparatus.

Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Use personal protective equipment.

Ensure adequate ventilation.

Environmental precautions : Should not be released into the environment.

Do not contaminate water.

Do not flush into surface water or sanitary sewer system.

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).

SECTION 7. HANDLING AND STORAGE

: Handle in accordance with good industrial hygiene and safety Advice on safe handling

practice.

Keep container closed when not in use. Do not use pressure to empty drums.

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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 : 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
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0
Distillates (petroleum), hydrotreated middle	64742-46-7	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA	400 ppm 1,600 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0
Distillates (petroleum), hydrotreated light	64742-47-8	TWA	500 ppm 2,000 mg/m3	OSHA Z-1
		TWA	200 mg/m3	ACGIH
		TWA	400 ppm 1,600 mg/m3	OSHA P0
NJTS# 136411-5778P Polyolefins		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0
2,6-di-tert-butyl-p-cresol	128-37-0	TWA	10 mg/m3	OSHA P0
		TWA (Inhalable fraction and vapor)	2 mg/m3	ACGIH
		TWA (Inhalable fraction and vapor)	2 mg/m3	ACGIH
		TWA	10 mg/m3	NIOSH REL

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Engineering measures : Effective exhaust ventilation system

Ensure that eyewash stations and safety showers are close to

the workstation location.

Personal protective equipment

Respiratory protection : Breathing apparatus needed only when aerosol or mist is

formed.

In the case of vapour formation use a respirator with an

approved filter.

Hand protection

Remarks : Neoprene gloves

Eye protection : Safety glasses with side-shields

Tightly fitting safety goggles

Skin and body protection : impervious clothing

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 : liquid

Color : red

Odor : slight hydrocarbon-like

pH : Not applicable

Melting point/range

Not applicable

Boiling point/boiling range : No data available

Flash point : 118 °C

Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : No data available

Relative density : 0.9

Solubility(ies)

Water solubility : slightly soluble
Partition coefficient: n- : No data available

octanol/water

Auto-ignition temperature : not determined

Viscosity

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Viscosity, kinematic : 14.5 mm2/s (40 °C)

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Heat, flames and sparks.

: Strong acids and strong bases

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous

Conditions to avoid

reactions

: Hazardous polymerisation does not occur.

: Contamination

Hazardous decomposition

Incompatible materials

products

: Carbon oxides Sulphur oxides

Metal oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product) : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity

(Product)

Acute toxicity estimate: > 40 mg/l

Exposure time: 4 h

Method: Calculation method

Acute dermal toxicity

2,6-di-tert-butyl-p-cresol

(Component)

: LD50: > 2,000 mg/kg

Species: Rat

Method: OECD Test Guideline 402

methyl oleate (Component) : LD50: > 5,000 mg/kg

Species: Rabbit

Remarks: Information given is based on data obtained from similar

substances.

Skin irritation

NJTS# 136411-5778P

: Result: No skin irritation

Polyolefins (Component)
Phosphorodithioic acid, O,O-

di-C1-14-alkyl esters, zinc

: Result: Irritating to skin.

salts (Component)

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2,6-di-tert-butyl-p-cresol

(Component)

: Species: Rabbit

Result: No skin irritation

methyl oleate (Component) : Species: Rabbit

> Result: Skin irritation Method: Draize Test Exposure time: 24 h

Remarks: Information given is based on data obtained from similar

substances.

Eye irritation

NJTS# 136411-5778P Polyolefins (Component)

Phosphorodithioic acid, O,Odi-C1-14-alkyl esters, zinc

salts (Component)

2,6-di-tert-butyl-p-cresol

(Component)

: Result: No eye irritation

: Species: Rabbit

Result: Risk of serious damage to eyes. Method: OECD Test Guideline 405

: Species: Rabbit

Result: No eye irritation

Sensitisation

Phosphorodithioic acid. O.Odi-C1-14-alkyl esters, zinc

salts (Component)

: Maximisation Test (GPMT) Species: Guinea pig

Classification: Did not cause sensitisation on laboratory animals.

2,6-di-tert-butyl-p-cresol

(Component)

: Species: Guinea pig

Classification: Did not cause sensitisation on laboratory animals.

methyl oleate (Component) : Maximisation Test (GPMT)

Species: Human

Classification: Did not cause sensitisation on laboratory animals. Remarks: Information given is based on data obtained from similar

substances.

Reproductive toxicity

methyl oleate (Component)

Species: Rat

Application Route: Oral

CMR effects

NJTS# 136411-5778P Polyolefins (Component) : Carcinogenicity: Animal testing did not show any carcinogenic effects. Mutagenicity: Animal testing did not show any mutagenic effects.

Teratogenicity: No effects on or via lactation, Did not show teratogenic

effects in animal experiments.

Reproductive toxicity: No toxicity to reproduction

2,6-di-tert-butyl-p-cresol

(Component)

Mutagenicity: Animal testing did not show any mutagenic effects.

Teratogenicity: No effects on or via lactation Reproductive toxicity: No toxicity to reproduction

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methyl oleate (Component) : Carcinogenicity: Limited evidence of carcinogenicity in animal studies

Mutagenicity: In vitro tests did not show mutagenic effects

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

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish (Product) : Remarks:

No data available

Toxicity to daphnia and other : Remarks:

aquatic invertebrates

(Product)

No data available

Toxicity to algae

Phosphorodithioic acid, O,O- : EbC50: 1 - 5 mg/l di-C1-14-alkyl esters, zinc

Exposure time: 96 h

salts (Component)

Species: Selenastrum capricornutum (green algae)

Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity)

Phenol, isobutylenated, : NOEC: 0.093 mg/l phosphate (3:1) Exposure time: 90 d

(Component)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

Phenol, isobutylenated, : NOEC: 0.0399 mg/l phosphate (3:1) Exposure time: 21 d

(Component)

Elimination information (persistence and degradability)

Bioaccumulation (Product) : Remarks:

No data available

: Remarks: Mobility (Product)

No data available

Biodegradability (Product) : Result: No data available

Further information on ecology

Ecotoxicology Assessment

Results of PBT assessment (Product)

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information (Product) : The product itself has not been tested.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of as hazardous waste in compliance with local and

national regulations.

Dispose of wastes in an approved waste disposal facility. Do not contaminate ponds, waterways or ditches with

chemical or used container.

Do not dispose of waste into sewer.

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

SECTION 14. TRANSPORT INFORMATION

ADR

Not dangerous goods

RID

Not dangerous goods

MERCOSUR

Not dangerous goods

DOT

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

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	*



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*: 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 : Chronic Health Hazard

Acute Health Hazard

SARA 302 : The following components are subject to reporting levels

established by SARA Title III, Section 302:

formaldehyde 50-00-0 0

SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:

NJTS# 136411-5892P 2.7724

Barium compounds

US State Regulations

California Prop 65 WARNING! This product contains a chemical known to the

State of California to cause cancer.

formaldehyde 50-00-0

The components of this product are reported in the following inventories:

US.TSCA On TSCA Inventory

All components of this product are on the Canadian DSL.

AICS

All components of this product are on the Canadian DSL.

On the inventory, or in compliance with the inventory

NZIoC Not in compliance with the inventory

ENCSOn 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

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 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.

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