



# SAFETY DATA SHEET

## ANDEROL 3057M

Version: 1.0

Revision Date: 12/05/2014

Print Date: 04/21/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ANDEROL 3057M

Product Use Description: Lubricant

Company: Manufacturer  
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

Email: msdsrequest@chemtura.com  
Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300  
:  
Chemtura Corporation Emergency Response: CHEMTURA : 800-292-5898

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

### SECTION 2. HAZARDS IDENTIFICATION

Form	liquid
	oily
Colour	clear
Odour	mild

#### GHS Classification

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

#### GHS Label element

Hazard statements : H412 Harmful to aquatic life with long lasting effects.



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Other hazards : None

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Carcinogenicity:

**IARC** Group 3: Not classifiable as to its carcinogenicity to humans  
Distillates (petroleum), 64742-46-7  
hydrotreated middle

**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.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous components

Chemical Name	CAS-No.	Concentration (%)
NJTS-46728100000-0001		>= 1 - < 5 %
A mixture of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate	125643-61-0	>= 1 - < 5 %
triphenyl phosphate	115-86-6	>= 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 discoloration (lips, ear lobes, fingernails), give oxygen as quickly as possible.  
If symptoms persist, call a physician.

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.



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- If eye irritation persists, consult a specialist.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Consult a physician if necessary.
- Most important symptoms and effects, both acute and delayed : No information available.
- Notes to physician : No information available.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
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 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

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



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practice.  
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 : Strong acids and strong bases

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

triphenyl phosphate	115-86-6	TWA	3 mg/m3	ACGIH
		TWA	3 mg/m3	OSHA Z-1
		TWA	3 mg/m3	OSHA P0
		TWA	3 mg/m3	NIOSH REL

#### 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

oily

Color : clear

Odor : mild

pH : No data available

pour point : -47 °C



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Method: No information available.

Boiling point/boiling range	: No data available
Flash point	: $\geq 240$ °C Method: Cleveland open cup
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: 0.8499 g/cm <sup>3</sup>
<u>Solubility(ies)</u>	
Water solubility	: slightly soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Viscosity	
Viscosity, dynamic	: 8.20 - 58.00 mPa.s (40 - 100 °C) Method: ASTM D 445
Viscosity, kinematic	: No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Heat.
Incompatible materials	: Strong acids and strong bases
Hazardous decomposition products	: Carbon oxides Nitrogen oxides (NO <sub>x</sub> ) Oxides of phosphorus

### SECTION 11. TOXICOLOGICAL INFORMATION



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

Method: Calculation method

Acute inhalation toxicity

A mixture of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate : Remarks: This information is not available.

(Component)

triphenyl phosphate

(Component)

: LC50: > 200 mg/l

Exposure time: 1 h

Species: Rat

Acute dermal toxicity  
(Product)

: Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Skin irritation

NJTS-46728100000-0001

(Component)

: Species: Rabbit

Result: No skin irritation

Method: OECD Test Guideline 404

A mixture of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate  
(Component)

: Species: Rabbit

Result: No skin irritation

triphenyl phosphate

(Component)

: Species: Rabbit

Result: No skin irritation

Method: OECD Test Guideline 404

Exposure time: 4 h

Eye irritation

NJTS-46728100000-0001

(Component)

: Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

A mixture of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate  
(Component)

: Species: Rabbit

Result: No eye irritation

triphenyl phosphate

(Component)

: Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Sensitisation

NJTS-46728100000-0001

(Component)

: Species: Guinea pig

Classification: Did not cause sensitisation on laboratory animals.

Method: OECD Test Guideline 406

A mixture of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-

: Maximisation Test (GPMT)

Species: Guinea pig



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- 4-hydroxyphenyl)propionate (Component) : Classification: Did not cause sensitisation on laboratory animals.  
Result: Did not cause sensitisation on laboratory animals.
- triphenyl phosphate (Component) : Maximisation Test (GPMT)  
Species: Guinea pig  
Classification: Did not cause sensitisation on laboratory animals.  
Method: OECD Test Guideline 406
- Aspiration toxicity (Product) : No aspiration toxicity classification
- CMR effects  
NJTS-46728100000-0001 (Component) : Mutagenicity: Not mutagenic in Ames Test.
- triphenyl phosphate (Component) : Carcinogenicity: Animal testing did not show any carcinogenic effects.  
Mutagenicity: In vitro tests did not show mutagenic effects  
Reproductive toxicity: No toxicity to reproduction
- Further information (Product) : There is no data available for this product.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

- Toxicity to fish (Product) : Remarks:  
No data available
- Toxicity to daphnia and other aquatic invertebrates (Product) : Remarks:  
No data available
- Toxicity to algae (Product) : Remarks:  
No data available
- Toxicity to fish (Chronic toxicity)  
triphenyl phosphate (Component) : NOEC: 0.037 mg/l  
Exposure time: 30 d  
Species: Oncorhynchus mykiss (rainbow trout)

### Elimination information (persistence and degradability)

- Bioaccumulation (Product) : Remarks:  
No data available



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- Mobility (Product) : Remarks:  
No data available
- Biodegradability  
NJTS-46728100000-0001 (Component) : Result: According to the results of tests of biodegradability this product is not readily biodegradable.  
Method: CO2 Evolution Test
- A mixture of isomers of: C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate (Component) : Result: Not readily biodegradable.
- triphenyl phosphate (Component) : aerobic  
Result: Readily biodegradable.  
83 - 94 %  
Method: OECD Test Guideline 301

### Further information on ecology

#### Ecotoxicology Assessment

Results of PBT assessment (Product)  
This substance is not considered to be persistent, bioaccumulating and toxic (PBT).  
Additional ecological information (Product) : There is no data available for this product.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

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





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### IATA

Not dangerous goods

### IMDG

Not dangerous goods

## SECTION 15. REGULATORY INFORMATION

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

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA304 Reportable Quantity

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

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : 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.

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

**US.TSCA**

On TSCA Inventory

**DSL**

This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.

**AICS**

On the inventory, or in compliance with the inventory

**NZIoC**

Not 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

## SECTION 16. OTHER INFORMATION



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### Further information

#### Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+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.