



SAFETY DATA SHEET

ANDEROL 3046

Version: 1.0

Revision Date: 12/05/2014

Print Date: 04/21/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ANDEROL 3046

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	No information available.

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

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 identified as probable, possible or confirmed human carcinogen by IARC.

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 (%)
di-"isodecyl" phthalate	26761-40-0	>= 10 - < 20 %
NJTS-46728100000-0001		>= 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.



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- 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 : 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 (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 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.



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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 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



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Appearance	: liquid oily
Color	: clear
Odor	: No information available.
pH	: No data available
pour point	: -42 °C
Boiling point/boiling range	: No data available
Flash point	: >= 260 °C Method: Cleveland open cup
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative density	: 0.8550 - 0.8700No data available
Density	: 0.8550 - 0.8700 g/cm ³ (15 °C) Method: No information available.
<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	: 7.0 - 50.60 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



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Hazardous decomposition products : Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity
di-"isodecyl" phthalate
(Component) : LD50: > 5,000 mg/kg
Species: Rat

NJTS-46728100000-0001
(Component) : LD50: > 2,000 mg/kg
Species: Rat
Method: OECD Test Guideline 401

triphenyl phosphate
(Component) : LD50: > 2,000 mg/kg
Species: Rat

Acute inhalation toxicity
(Product) : Acute toxicity estimate: > 40 mg/l
Exposure time: 4 h
Method: Calculation method

Acute dermal toxicity
di-"isodecyl" phthalate
(Component) : LD50: > 2,900 mg/kg
Species: Rat

NJTS-46728100000-0001
(Component) : LD50: > 2,000 mg/kg
Species: Rat

triphenyl phosphate
(Component) : LD50: > 7,900 mg/kg
Species: Rabbit

Skin irritation
di-"isodecyl" phthalate
(Component) : Species: Rabbit
Result: No skin irritation
Method: OECD-Guideline No. 404

NJTS-46728100000-0001
(Component) : Species: Rabbit
Result: No skin irritation
Method: OECD Test Guideline 404

triphenyl phosphate
(Component) : Species: Rabbit
Result: No skin irritation
Method: OECD Test Guideline 404
Exposure time: 4 h

Eye irritation
di-"isodecyl" phthalate
(Component) : Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405



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- NJTS-46728100000-0001 (Component) : Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
- triphenyl phosphate (Component) : Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
- Sensitisation di-"isodecyl" phthalate (Component) : Species: Human
Classification: Did not cause sensitisation on laboratory animals.
- Maximisation Test (GPMT)
Species: Guinea pig
Classification: Did not cause sensitisation on laboratory animals.
- Buehler Test
Species: Guinea pig
Classification: Did not cause sensitisation on laboratory animals.
- NJTS-46728100000-0001 (Component) : Species: Guinea pig
Classification: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406
- triphenyl phosphate (Component) : Maximisation Test (GPMT)
Species: Guinea pig
Classification: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406
- CMR effects di-"isodecyl" phthalate (Component) : Mutagenicity: In vitro tests did not show mutagenic effects
Teratogenicity: No effects on or via lactation
- 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:



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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

Mobility (Product) : Remarks:
No data available

Biodegradability di-"isodecyl" phthalate (Component) : aerobic
Result: Readily biodegradable.
99 %

NJTS-46728100000-0001 (Component) : Result: According to the results of tests of biodegradability this product is not readily biodegradable.
Method: CO2 Evolution Test

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.



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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

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.



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US State Regulations

California Prop 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

di-"isodecyl" phthalate

26761-40-0

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

US.TSCA

On TSCA Inventory

DSL

All components of this product 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

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.