



SAFETY DATA SHEET

HATCOL ® 3867

Version: 1.0

Revision Date: 12/05/2014

Print Date: 04/22/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : HATCOL ® 3867

Product Use Description: Lubricant

Company: Manufacturer
Hatco Division, Chemtura Corporation
1020 King George Post Road
Fords, NJ
08863
United States of America

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

SECTION 2. HAZARDS IDENTIFICATION

Form	liquid
Colour	clear
Odour	slight

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Other hazards : None

Not a hazardous substance or mixture.

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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 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 %
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.
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.

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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.
- 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

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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 : 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 : clear
- Odor : slight
- pH : Not applicable
- pour point :
No data available
- Boiling point/boiling range : No data available
- Flash point : > 282 °C
Method: open cup
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : No data available
- Relative density : 0.96 (15.6 °C)

Solubility(ies)

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Water solubility : slightly soluble
Partition coefficient: n-octanol/water : No data available
Auto-ignition temperature : No data available
Viscosity
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

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity
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
triphenyl phosphate (Component) : LC50: > 200 mg/l
Exposure time: 1 h
Species: Rat

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

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

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Skin irritation
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
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
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
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

Toxicity to fish
NJTS-46728100000-0001
(Component)

: LC50: > 71 mg/l
Exposure time: 96 h

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triphenyl phosphate (Component)	Species: Danio rerio (zebra fish) Method: OECD Test Guideline 203 : LC50: 0.78 mg/l Exposure time: 96 h Species: Lepomis macrochirus (Bluegill sunfish) static test LC50: 1.2 mg/l Exposure time: 96 h Species: Oryzias latipes (Orange-red killifish) static test
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Toxicity to daphnia and other aquatic invertebrates

NJTS-46728100000-0001 (Component)	: EC50: 51 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202
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triphenyl phosphate (Component)	: EC50: 1 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) EC50: 0.36 mg/l Exposure time: 48 h
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Toxicity to algae

NJTS-46728100000-0001 (Component)	: EbC50: > 100 mg/l Exposure time: 72 h Species: Desmodesmus subspicatus (green algae) Method: OECD Test Guideline 201
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triphenyl phosphate (Component)	: NOEC: 0.25 - 2.5 mg/l Exposure time: 72 h Species: Green algae (Scenedesmus subspicatus) Growth inhibition Method: OECD Test Guideline 201
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Toxicity to fish (Chronic toxicity)

triphenyl phosphate (Component)	: NOEC: 0.037 mg/l Exposure time: 30 d Species: Oncorhynchus mykiss (rainbow trout)
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Bioaccumulation

triphenyl phosphate (Component)	: Species: Oryzias latipes (Orange-red killifish) Exposure time: 18 d Temperature: 25 °C Concentration: 0.01 mg/l Bioconcentration factor (BCF): 144
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Biodegradability
NJTS-46728100000-0001 : Result: According to the results of tests of biodegradability this
(Component) product is not readily biodegradable.
Method: CO2 Evolution Test

triphenyl phosphate : aerobic
(Component) 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 : There is no data available for this product.
information (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

IATA

Not dangerous goods

IMDG

Not dangerous goods



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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 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

Not in compliance with the inventory

KECI

On the inventory, or in compliance with the inventory

PICCS

Not 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



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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.