



# SAFETY DATA SHEET

## Kronitex® TXP

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/22/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Kronitex® TXP

Product Use Description: Fire retardant  
Plasticiser  
Lubricants and lubricant additives

Company: Chemtura Corporation  
199 Benson Road  
Middlebury, CT  
06749  
United States of America

Telephone: (US) +1 866-430-2775

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 : Fire retardant, Plasticiser, Lubricants and lubricant additives

Restrictions on use : Restricted to professional users.

### SECTION 2. HAZARDS IDENTIFICATION

Form	liquid
Colour	colourless
Odour	slight

#### GHS Classification

Reproductive toxicity : Category 1B  
Specific target organ toxicity - repeated exposure (Oral) : Category 2 (Testes)  
Acute aquatic toxicity : Category 1  
Chronic aquatic toxicity : Category 1



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### GHS Label element

Signal word : **Danger**

Hazard pictograms :

Hazard statements : H360 May damage fertility or the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.  
H410 Very toxic to aquatic life with long lasting effects.

Other hazards : Static-accumulating flammable liquid.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P273 Avoid release to the environment.  
P281 Use personal protective equipment as required.  
**Response:**  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P391 Collect spillage.  
**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.

#### 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.

### Environmental Effects

Environmental Effects : Dangerous for the environment

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



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### Hazardous components

Chemical Name	CAS-No.	Concentration (%)
trixyl phosphate	25155-23-1	>= 90 - <= 100 %

### SECTION 4. FIRST AID MEASURES

- If inhaled : If breathed in, move person into fresh air.  
Give oxygen or artificial respiration if needed.  
Consult a physician after significant exposure.
- In case of skin contact : Remove/Take off immediately all contaminated clothing.  
Wash skin thoroughly with soap and water for at least 15 minutes.  
If skin irritation occurs: Get medical advice/ attention.  
Wash contaminated clothing before re-use.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,  
for at least 10 minutes.  
Get medical attention if irritation develops and persists.
- If swallowed : Do NOT induce vomiting.  
If conscious, make the victim drink the following:  
Drink 1 or 2 glasses of water.  
Get medical attention immediately.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : toxic effects for reproduction
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Burning produces irritant fumes.  
Exposure to decomposition products may be a hazard to health.
- Specific extinguishing methods : Fight fire with normal precautions from a reasonable distance.  
Keep away from fire, sparks and heated surfaces.



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Cool containers/tanks with water spray.  
Prevent fire extinguishing water from contaminating surface water or the ground water system.

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 : Ensure adequate ventilation.  
Avoid contact with skin and eyes.  
Wear suitable protective clothing, gloves and eye/face protection.

Environmental precautions : Toxic to aquatic life.  
Prevent product from entering drains.  
Do not allow material to contaminate ground water system.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. Large spills should be collected mechanically (remove by pumping) for disposal. Ventilate the area.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Handle and open container with care.  
Use only in area provided with appropriate exhaust ventilation.  
Avoid inhalation, ingestion and contact with skin and eyes.  
Do not breathe vapours or spray mist.  
Use personal protective equipment as required.  
Wash thoroughly after handling.  
Keep container closed when not in use.

Conditions for safe storage : Keep in a dry, cool and well-ventilated place.  
Keep container tightly closed.  
Protect from contamination.

Materials to avoid : Strong oxidizing agents, Strong acids, Strong bases

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Engineering measures : Use mechanical ventilation for general area control.  
Ensure that extracted air cannot be returned to the workplace through the ventilation system.



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Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal protective equipment

- Respiratory protection : Wear a NIOSH/MSHA approved organic cartridge respirator if misting or vapor occurs, or there is potential for airborne exposures to exceed established threshold values.  
A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
- Hand protection  
Remarks : Gloves Nitrile rubber Impervious butyl rubber gloves
- Eye protection : Safety goggles
- Skin and body protection : impervious clothing  
Long sleeved clothing  
Remove and wash contaminated clothing before re-use.  
To protect against splashes from pouring:  
Rubber or plastic boots  
Rubber or plastic apron
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Wear suitable gloves and eye/face protection.  
Avoid contact with skin, eyes and clothing.  
Do not inhale aerosol.  
Ensure adequate ventilation, especially in confined areas.  
When using do not eat, drink or smoke.  
Wash thoroughly after handling.  
Keep working clothes separately.  
Remove and wash contaminated clothing before re-use.  
Contaminated work clothing should not be allowed out of the workplace.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : colourless
- Odor : slight
- Odour Threshold : No data available  
:  
Not applicable
- Boiling point/boiling range : > 300 °C (1,013.250164 hPa)
- Evaporation rate : No data available



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Flash point : does not flash

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : 0.440 hPa (200 °C)

Relative vapour density : No data available

Relative density : 1.130 - 1.153 (20 °C)

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : log Pow: 5.63

Auto-ignition temperature : 575 °C

Thermal decomposition : > 300 °C

Viscosity

Viscosity, dynamic : 108 - 143 mPa.s (25 °C)

Viscosity, kinematic : No data available

### 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 : Will not occur.

Conditions to avoid : Exposure to moisture.  
Contamination

Incompatible materials : Strong oxidizing agents  
Strong acids  
Strong bases

Hazardous decomposition products : Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Oxides of phosphorus



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### SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity  
trixylyl phosphate  
(Component) : LD50: 14,750 mg/kg  
Species: Rat

Acute inhalation toxicity  
trixylyl phosphate  
(Component) : LC50: > 5.28 mg/l  
Species: Rat

Acute dermal toxicity  
trixylyl phosphate  
(Component) : LD50: > 20,000 mg/kg  
Species: Rabbit

Skin irritation  
trixylyl phosphate  
(Component) : Species: Rabbit  
Result: Mild skin irritation

Eye irritation  
trixylyl phosphate  
(Component) : Species: Rabbit  
Result: No eye irritation

Aspiration toxicity (Product) : No aspiration toxicity classification

CMR effects  
trixylyl phosphate  
(Component) : Reproductive toxicity: Clear evidence of adverse effects on sexual function and fertility, based on animal experiments.

Further information (Product) : Acute Health Hazard  
Chronic Health Hazard

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

Toxicity to fish  
trixylyl phosphate  
(Component) : LC50: 1.11 mg/l  
Exposure time: 96 h  
Species: Pimephales promelas (fathead minnow)



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LC50: 100 mg/l  
Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates  
trixyl phosphate : EC50: 0.06 mg/l  
(Component) Exposure time: 48 h  
Species: Daphnia magna (Water flea)

EC50: 3.86 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)

Toxicity to algae  
trixyl phosphate : > 1.01 mg/l  
(Component) Exposure time: 96 h  
Species: Scenedesmus capricornutum (fresh water algae)

### Elimination information (persistence and degradability)

Bioaccumulation (Product) : Remarks:  
No data available

Mobility (Product) : Remarks:  
No data available

Biodegradability  
trixyl phosphate : 25 %  
(Component)

### 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 : Avoid release to the environment.  
information (Product)

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of waste material in compliance with all federal, state, and local regulations.  
Dispose of wastes in an approved waste disposal facility.





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### SECTION 14. TRANSPORT INFORMATION

#### DOT

UN number : 3082  
Description of the goods : Environmentally hazardous substances, liquid, n.o.s.  
(trixylyl phosphate)  
Class : 9  
Packing group : III  
Environmentally hazardous : yes  
trixylyl phosphate

#### IATA

UN number : 3082  
Description of the goods : Environmentally hazardous substance, liquid, n.o.s.  
(trixylyl phosphate)  
Class : 9  
Packing group : III  
Environmentally hazardous : no

#### IMDG

UN number : 3082  
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(trixylyl phosphate)  
Class : 9  
Packing group : III  
EmS Number 1 : F-A  
EmS Number 2 : S-F  
Marine pollutant : yes  
trixylyl phosphate

### 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** : Chronic Health Hazard



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**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.

**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:**

<b>US.TSCA</b>	On TSCA Inventory
<b>DSL</b>	All components of this product are on the Canadian DSL.
<b>AICS</b>	On the inventory, or in compliance with the inventory
<b>NZIoC</b>	Not in compliance with the inventory
<b>ENCS</b>	On the inventory, or in compliance with the inventory
<b>KECI</b>	On the inventory, or in compliance with the inventory
<b>PICCS</b>	On the inventory, or in compliance with the inventory
<b>IECSC</b>	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.