



C H E M I C A L

140 E. Ascot Ln., Cuyahoga Falls, Ohio

44223

MSDS

Emergency Phones: CHEMTREC 1-800-424-9300
8023

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HB Tel: 330-920-

NFPA

HCS Risk Phrases

Protective Clothing

	Health 62 Flammability-1 Reactivity 60 Special Hazard -0	Safety Goggles, Lab Coat, Gloves (particularly for thermal protection when material is hot)
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Section 1 Chemical Product and Company Identification

Common Name/Trade Name: Triphenyl Phosphate TPP

Chemical Name: TPP

Chemical Family: Phosphate Esters

Synonym: TPP

Chemical :

Section 2 Composition and Information on Ingredients

Ingredients	CAS#	% Weight	TLV/PEL
Triphenyl Phosphate TPP	115-86-6	100	

Section 3 Hazards Identification

Emergency Overview **NOTICE!**

Not classified as hazardous according to the EEC Dangerous Substance Directive and Dangerous Preparation Directive.

Section 4 First Aid Measures – Always Seek Medical if unsure of risks

Eye: Rinse with lots of water. If irritation persists seek medical attention. Get under eyelids with water

Skin: Wash with Soap and water. Remove contaminated clothing, launder before reuse

Inhalation: Move to fresh air, rest, half upright position. Loosen clothing and give oxygen or artificial respiration if there is difficulty breathing.

Ingestion: Rinse mouth with water, drink water, Induce vomiting unless person is unconscious or confused

Note to Physician ó Should Cholinesterase inhibition occur, atropine by injection in antidote of choice

Section 5 Fire and Explosion Data

Flammability:

Auto-Ignition Temperature: N/E

Flash Point: (Closed cup) NA

Flammable Limits: N/E

Fire Fighting Media and Instructions SMALL FIRE: Water, Dry Chemical (all purpose), CO₂, foam
LARGE FIRE: same as above

Fire Hazards: when exposed to thermal decomposition products may be a health risk, wear self contained breathing apparatus. Open flames can emit acid fumes and/or smoke

Other Substances:

Combustion Products: NA

Explosion Hazards: NA

Special Remarks: NA NFRA Rating: 2 ó Health, 1-fire, 0-reactivity

Section 6 Accidental Release Measures

Small Spill: Collect as much as possible and put in clean containers for reuse or disposal. Use inert absorbent for disposal by local regulations.

Large Spill: same as above

Section 7 Handling and Storage

Precaution: Usual precautions for handling chemicals should be observed

Storage: Keep container closed. Suitable for general storage areas. Isolate from incompatible materials.

Section 8 Exposure Controls/Personal Protection

Engineering Controls: Usual precautions for handling chemicals should be observed

Personal Protection: Respiratory ó in case of insufficient ventilation, wear suitable resp. equipment

Personal Protection : hand, Eye, Skin ó Use good handling procedures for all chemicals.

Exposure Limits: TPP ó OES-TWA (3.00 mg/m³), OES-STEL (6.0 mg/m³)

Section 9 Physical and Chemical Properties

Physical State: Crystalline Solid

Odor: NA

Molecular Weight: NA

Taste: NA

Boiling Point: 370 C

Melting Point: NA

Critical Temperature: NA

Density : 1220 approx.

Vapor Pressure: NA

Vapor Density: NA

Volatility: NA

Odor Threshold: NA

Evaporation rate: NA	Viscosity: NA
Water/Oil Coeff.: NA	Viscosity (water): NA
Dispersion: NA	Flash Point: 220C (COC)
Solubility: .01 g/l (20C)	Melting Point: 48C

Section 10 Stability and Reactivity Data

Instability: Hydrolyses slowly under weak alkaline or acidic conditions
Temperatures: avoid generation of heat
Conditions: Avoid Acids and Alkalies
Incompatibles: None known
Reactivity: NA
Corrosivity: NA
Special Remarks: no Hazardous decomposition known. Fire may create combustion, and toxic smoke

Section 11 Toxicological Information

Routes of Entry: NA
Chronic Effects: NA
1. Acute Toxicity: Oral LD 50 rat: >4640 mg/kg
2. Dermal LD 50 rat >4640 mg/kg
3. Irritation: Skin: Rabbit (4 hours) non-irritating, eye: Rabbit non irritating,
Toxicity to Animals: Chicken, rat : Not neurotoxic
Special remarks:

Section 12 Ecological Information

Ecotoxicity: NA
BOD5 and COD: NA
Biodegradation: NA
Toxicity: NA
Remarks: NA

Section 13 Disposal Consideration

Disposal ó follow guidelines in accordance with environmental regulations.
Waste storage: NA
Waste type: NA
Material is not a hazardous waste and can be disposed of according to 40CFR 21.24
NOTE: Changing regulations suggest you always consult your local, county, state & federal agency for latest, proper, disposal.

Section 14 Transportation Information

ADR Classification: 9, RID Class: 9, Hazardous Identification : 90, TREM Card: CEFIC TEC(R) 90G02

Shipping Name: Enviromentally Harzardous substance, solid n.o.s. (Triphenyl Phosphate)
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Provisions for Transport: NA

UN Number: 3077

Packing Group:III for Air transport

Reportable Quantity: NA

Section 15 Other Regulatory Information

Governing Regulations (USA): This material does not contain SARA S-313 Chemicals
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TCSA (USA): This material is included int the TCSA inventory
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Other Classification:

WHMIS (Canada): None

DSL (Canada): This material is listed in the DSLinventory

DSCL (EEC):

HMIS (USA):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection:
