

Revision Number: 01

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

## 1.1 Identification of the product

Product Description	Triisotridecyl Phosphite
Pure Substance/preparation	Substance
CAS-No	77745-66-5
EC number	278-758-9
Reach Registration number	A registration number is not available for this substance as the substance or its uses may be exempted or annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use Laboratory chemical, Industrial chemical

Uses advised against No additional information available

#### 1.3 Details of the Supplier of the Safety Data Sheet

#### Supplier Address

UPL Limited Uniphos House, Madhu Park, Khar (W), Mumbai, India Tel: +91-(022)- 2646-8000

E-mail address

info.in@uniphos.com

#### 1.4 Emergency Telephone Number

Emergency telephone number

+91-(0260) 240017/18/19

## 2. Hazard Identification

#### 2.1 Classification of the substance or Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Sensitization	Category 1 - (H317)
STOT - Single Exposure	Category 1 - (H335)



## 2.2 Label elements



Signal Word - Danger

#### **Hazard Statement**

H317 - May cause skin sensitization H335 - May cause respiratory tract irritation

#### Precautionary Statement

#### Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the work place.
P280 Wear protective gloves/protective clothing/eye protection/face protection

#### Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment (see ... on this label)
P362+P364 Take off contaminated clothing and wash it before reuse.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTRE/doctor or physician if you feel unwell.

#### Storage

**P403+P233** Store in a well-ventilated place. Keep container tightly closed. **P405** Store locked up.

#### Disposal

**P501** Dispose of contents/container to an approved waste disposal plant.

#### 2.3 Other Hazards

No information available

## 3. Composition/information on Ingredients

#### 3.1 Substance

Chemical name	CAS-No	EC No	W/W %	EU - GHS Substance Classification (REGULATION (EC) No 1272/2008)	REACH No.
Triisotridecyl Phosphite	77745-66-5	278-758-9	<=100	Skin Sens. (H317)	no data
				STOT Single Exposure (H335)	available

For the full text of the H-Statements mentioned in this Section, see Section 16

## 4. First aid measures



#### 4.1 Description of first-aid measures

General advice	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
Skin contact	Wash off with soap and plenty of water for at least 15 minutes. Clean contaminated clothing and shoes before reuse or discard if they cannot be thoroughly cleaned. If skin irritation or rash occurs, get medical attention.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth. Do not induce vomiting unless told by physician. If vomiting occurs ensure patient can breathe. Seek medical attention, if you feel unwell.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Give artificial respiration if victim is not breathing. Get medical attention, if you feel unwell.
4.2 Most Important Sympto	ms and Effects, Both Acute and Delayed

The most important known symptoms and effects are described in the labelling (See section 2) and/or in section 11.

#### Indication of immediate medical attention and special treatment needed

Treat symptomatically and supportively.

#### 5. Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media Use suitable extinguishing media appropriate local sorroundings

Unsuitable extinguishing media High pressure water jets may scatter and spread the fire

#### 5.2 Special hazards arising from the substance or mixture

**Special Hazard** Thermal decomposition can lead to release of irritating or toxic fumes (or gases) in fire. Hazardous decomposition products: Carbon oxides, Oxides of phosphorus

#### 5.3 Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of involved material.

## 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapour/spray. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Avoid contact with skin and eye.

## 6.2 Environmental Precautions



Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

#### 6.3 Methods and materials for containment and cleaning up

Pick and arrange disposal without creating dust. Sweep up and shovel into suitable container for disposal. Follow all label instructions regarding spill clean-up and residual disposal methods.

#### 6.4 Reference to other sections

Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## 7. Handling and Storage

#### 7.1 Precautions for Safe Handling

#### Handling

Avoid contact with skin and eyes. Do not eat, drink or smoke while using the product. Wash hands thoroughly after handling. Wear appropriate protective equipment. Ensure adequate ventilation.

#### Hygiene measures

Keep away from food, drink and animal feedingstuffs. Handle in accordance with good industrial hygiene and safety practice.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in a cool, dry place in tightly closed container.

#### 7.3 Specific end uses

Laboratory chemical, Industrial chemical

## 8. Exposure Controls/ Personal Protection

## 8.1 Control Parameters

Exposure Limits Ap	<b>posure Limits</b> Apply technical measures to comply with the occupational exposure limits		
Derived No Effect level (D	ONEL) No information available		
Predicted No Effect Conc	entration No information available		
8.2 Exposure Control	<b>S</b> Ensure adequate ventilation, especially in confined areas. If applicable, use process enclosure, local exhaust ventilation, or other engineering controls to maintain airborne level below recommended exposure limits. If exposure limits have not been established maintain airborne levels to acceptable level.		
Personal protective equipment			
Eye protection	Use safety google with side protection.		
Skin protection	Long-sleeved clothing. Preventative skin protection is recommended.		
Hand protection	Wear suitable protective glove/clothing. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of		



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	contaminated gloves after use in accordance practices. Wash and dry hands.	with applicable laws and good laboratory
Respiratory protection	When workers are facing concentrations abo certified respirators	ve the exposure limit they must use appropriate
Environmental exposure controls	Prevent further leakage or spillage if safe to o Discharge into the environment must be avoi	

## 9. Physical and Chemical Properties

## 9.1 Information on basic physical and chemical properties

	aint Io information available	
pH 6 Melting point/freezing point -	<u>/ALUES</u> 6-8 -20°C No information available	Remarks/ Method
Flash Point>Evaporation rate	>80°C <80°C No information available	Open cup method Close cup method
Flammability (solid, gas)NDensity0Vapor DensityNVapor pressure (air = 1)1Water solubilityIrSolubility in Other SolventsNPartition coefficient: n-octanol/waterNAutoignition temperatureNDecomposition temperatureNViscosity2Oxidizing propertiesNMolecular formula0	No information available 0.8863 g/cm <sup>3</sup> No information available 1.14E-0.06 Pa at 25°C Insoluble No information available	

## 10. Stability and Reactivity

## 10.1 Reactivity

None Known

## 10.2 Chemical stability

Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reaction

Hazardous polymerization does not occur.

## 10.4 Conditions to avoid

Exposure to elevated temperature can cause product to decompose. Exposure to moisture.



#### 10.5 Incompatible Materials

Oxidizing agents

#### Hazardous Decomposition Products

Non-combustible, substance itself may not burn but may decompose upon heating to produce irritant and/or toxic fumes. Keep product and empty container away from heat and sources of ignition.

Hazardous decomposition products formed under fire conditions: Carbon Oxides, Oxides of phosphorus, Phosphine

## **11. Toxicological Information**

#### 11. 1 Information on Toxicological Effects

#### Local effect

Inhalation	No information available
Eye contact	May cause eye irritation
Skin contact	May cause an allergic skin reaction
Ingestion	No information available

#### Chronic toxicity

Skin Corrosion/Irritation
Eye damage/irritation
Sensitization
Mutagenic effects
Carcinogenic effects
Reproductive effects
STOT - Single Exposure
STOT - repeated exposure
Aspiration hazard

May cause skin irritation May cause eye irritation May cause an allergic skin reation No information available No information available May cause respiratory irritation No information available No information available

## **12. Ecological Information**

#### 12.1 Ecotoxicity

No information available

#### 12.2 Persistence and Degradability

No information available

#### 12.3 Bioaccumulative Potential

No information available

#### 12.4 Mobility in Soil

No information available

#### 12.5 Results of PBT and vPvB Assessment



No information available. Log Kow = 16.73

#### **12.6 Other Adverse Effects**

No information available.

13. Disposal considerations			
13.1 Waste Treatment Methods			
Waste from Residues / Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.		
Contaminated packaging	Do not reuse empty containers. Dispose of this container to hazardous or special waste collection point.		
14. Transport Information			
ADR/RID	Not Regulated		
IMDG/IMO	Not Regulated		
	Not Regulated		

13 Disposal Considerations

#### 15. Regulatory Information

# <u>15.1</u> Safety, Health and Environmental Regulations/Legislation Specific for the Substance or <u>Mixture</u>

#### International Inventories

USINV TSCA	-
EINECS/ELINCS	- Complies
DSL/NDSL	
PICCS	Complies
ENCS China	Complies Complies
AICS	Complies
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 AICS - Australian Inventory of Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances

#### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.



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## **16. Other Information**

Full text of H-Statements referred to under sections 2 and 3

H317 May cause an allergic skin reaction

H335 May cause respiratory irritation

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#### This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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#### End of Safety Data Sheet