

YaRuiChem-TXP

1. Identification

Product identifier:

GHS product identifier: **YaRuiChem** -

TXP Additional identification: Trixylyl

Phosphate

Identification of the product: CAS NO.: 25155-23-1, EC NO.: 246-677-8

Relevant Recommended uses of the substance and Recommended Restrictions:

Recommended uses:

TXP is used as flame retardant plasticizer in vinyl resin and cellulose resin and as a fire resistant hydraulic fluid and a lubricant additive.

Recommended Restrictions: Not available.

Details of the supplier of the Material safety data sheet:

Supplier(Manufacturer): Zhang Jia Gang YaRui Chemical Co., Ltd.

Address: China JiangSu Province Zhang Jia Gang City YangShe Oriental
Plaza Building 10 B307

Contact person(mail): sales@yaruichem.com

Telephone: +86-512-58961066

Fax: +86-512-58961068

Emergency telephone No.: +86-512-58961066

Available outside office hours? YES

2. Hazards Identification

GHS Classification:

Hazard categories: Hazard statement

Physical hazards: Not classified



Health hazards: Reproductive toxicity, Hazard Category 1B,H360F.

Environmental hazards: Not classified.

GHS Label elements:

Hazard Pictograms:



Health hazard

Signal Word(S): Danger

Hazard Statement: H360F May damage fertility.

Precautionary Statement:

Prevention: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P281 Use personal protective equipment as required.

Response: P308+P313 1F exposed or concerned: Get medical advise/attention

Storage: P405 Store locked up.

Disposal: P501 Dispose of contents/container to local regulations.

Specific Hazards: None Known.

3. Composition/ information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	CAS NO.	EC NO.	Concentration
Trixylyl phosphate	25155-23-1	246-677-8	100%

4. First aid measures

Description of first aid measures:

in all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation: Move to fresh air immediately. If not breathing, give resuscitation develops or persists.

Skin: Immediately flush skin with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Eyes: Hold eyelids apart and flush immediately with water for at least 15 minutes. Seek medical attention.

Ingestion: Rinse mouth. Give water to drink. Induce vomiting. Never induce vomiting in unconscious or confused persons. Always seek medical advice.

Most important symptoms and effects, both acute and delayed

The product may damage fertility.

Indication of any immediate medical attention and special treatment needed

If skin irritation or rash occurs, get medical advice/attention.

5. Fire-Fighting measures

Extinguishing media:

Suitable extinguishing media: Carbon dioxide, appropriate foam or dry chemical, water spray, water mist.

Unsuitable extinguishing media: Not available.

Special hazards arising from the substance or mixture:

When heated to decomposition, may release poisonous and corrosive fumes of carbon Dioxide, Carbon Monoxide and Phosphorus Oxides.

Advice for fire-fighters:

Full protective clothing and self-contained breathing apparatus(SCBA). Contain fire fighting water to prevent entry into water or drainage systems.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use the personal protective equipment recommended in Section 8

Environmental Precautions:

Avoid disposing into drainage/sewer system or directly into the aquatic environment. Keeping away from drains, surface-and ground-water and soil.

Methods for containment and cleaning up:

Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Collect in suitable and properly labeled containers. Ventilate area and wash spill site after material pick up is complete.

7. Handling and storage

Precautions for sale handling:

Do not breathe dusts/vapor. Avoid contact with skin and eyes. Handle in well ventilated areas. Eliminate all sources of ignition, and do not generate flames or sparks. Take precautionary measures against static discharges.

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities:

Store in a tightly closed container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure control/personal protection

Control parameters:

Occupational exposure limits: Not available.

Appropriate engineering controls: Use local exhaust or general ventilation as required to minimize exposure to dust and maintain the concentration of contaminants below the TLVs. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

Exposure Protection:

Eye/face protection: if contact is likely, safety glasses with side shields are recommended

Hand protection: Wear appropriate gloves.

Skin protection: Wear suitable protective clothing.

Respiratory protection: Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment. Select and use respirators in accordance with OSHA 1910.134 and good industrial hygiene practice.

Thermal hazards: Wear suitable protective clothing to prevent heat.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Liquid
Color:	Transparent to pale-yellow
Odor:	Slight
Odor threshold:	Not available
Ph:	Not determined

Melting point/range(°C):	Not determined
Boiling point/range (°C):	243-264°C at 10mmHg
Flash point (°C):	>246°C (closed cup)
Evaporation rate:	Not applicable
Flammability(solid, gas):	Not flammable
Upper/lower flammability/explosive limits:	Not available
Vapor pressure:	<0.1mmHg(20°C)
Vapor density:	Not applicable
Relative Density:	1.145±0.010g/cm ³ at 25°C
Bulk density(kg/m ³):	Not available
Water solubility (mg/l):	18.6 ug/l at 25°C
n-Octanol/Water (log Kow):	Not available
Auto-ignition temperature:	Product is not selfigniting
Decomposition temperature:	Not available
Molecular weight:	410.45
Molecular formula:	C ₂₄ H ₂₇ O ₄ P
Viscosity, dynamic (mPa s):	105-145 mPa.s at 25°C
Explosive properties:	Not determined
Oxidising properties:	Non-oxidising

10. Stability and reactivity

Reactivity: The substance is stable under normal storage and handling conditions.

Chemical stability: Under normal conditions, the product is stable. No hazardous reaction when handled and stored according to provisions. Hazardous reactions are not known.

Possibility of hazardous reactions: Under normal conditions, not hazardous reactions will occur.

Conditions to avoid: Keep away from heat. Prolonged storage at elevated temperatures(above 65.6 °C) should be avoided

Incompatible materials: Strong oxidizers, strong acids and strong alkalis.

Hazardous decomposition products: Carbon dioxide and carbon monoxide, Phosphorus oxides.

11. Toxicological information:

Toxicological data:

Toxicological information: Occupational exposure to the substance or mixture may cause adverse effects.

Acute toxicity: LD50 (Oral, Mouse): 11800 mg/kg
LD50 (Oral, Mouse): >5000 mg/kg
LD50 (Dermal Rabbit): >2000 mg/kg
LC50 (Inhalation, Rat): No data available

Skin corrosion/Irritation: Prolonged skin contact may cause mild irritation.

Serious eye damage/irritation: Direct contact with eyes may cause mild irritation.

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: Not classified

Reproductive toxicity: May damage fertility

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Prolonged or repeated inhalation exposure may cause cholinesterase inhibition and respiratory tract irritation.

12. Ecological information:

Toxicity:

Acute toxicity		Time	Species	Methods	Evaluation	Remarks
LC50	>100mg/l	96h	Rainbow Trout	OECD203	Practically non-toxic	N/A
	1.119mg/l		Fathead			
			minnow			
EC50	0.060mg/l	48h	Daphnia	OECD202	N/A	N/A

EC50	>1.011mg/l	72h	Algae	OECD201	N/A	N/A
------	------------	-----	-------	---------	-----	-----

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available.

13. Disposal considerations

Waste treatment methods


Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing use or contamination of this product may change the waste management options.

According to local regulations. Federal and official regulations.

Product/Packaging disposal:

If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

14. Transport information:

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	UN3082	UN3082	UN3082
UN Proper shipping name:	Environmentally hazardous substance, liquid, N.O.S(Contains Trixylyl phosphate)		
Transport hazard class:	9	9	9
Packaging group:	III	III	III
Tunnel restriction code:	---	---	---
Environmental hazards:	---	Marine pollutant	---
Ems:	---	---	---
Special precautions for user	Read safety instructions, MSDS and emergency procedures before handling.		
ADR,IATA, IMDG.RID	 Health hazard		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	NO information available		

15. Regulation information:

Inventory Status

Country(s) or region	Inventory name	On inventory (yes/no) ※
Australia	Australian Inventory of Chemical Substances(AICS)	YES
Canada	Domestic Substance List (DSL)	YES
Canada	Non-Domestic Substances List(NDSL)	NO
China	Inventory of Existing Chemical Substances in China(IECSC)	YES
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	YES
Europe	European List of Notified Chemical Substances(ELINCS)	NO
Japan	Inventory of Existing and New Chemical Substances (ENCS)	YES
Korea	Existing Chemical List(ECL)	YES
Philippines	Philippine Inventory of Chemical and Chemical Substances(PICCS)	YES
United States	Toxic Substances Control (TSCA) Inventory	YES

A “YES” indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

A “NO” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information:

Relevant R-phrases: R62 may impair fertility.

Training instructions: Not applicable

Further information: This information is based upon the present state of our knowledge. This MSDS has been compiled and is solely intended for this product.

Notice to reader: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.