SAFETY DATA SHEET

according to Regulation (EC) No 1272/2008 (CLP)

Phoxim 92% TC

Shanghai Bosman Industrial Co., Limited

Product name	**Phoxim 92% TC**	SDS number	**BM-SDS-9745**
Version	**1.0**	Issue date	**28 November 2026**
Print date	**28 November 2026**	Language	**EN**
Format	**GHS / CLP - 16 sections**		

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name	Phoxim 92% TC
Product type	Technical concentrate (TC) organophosphorus insecticide; cholinesterase inhibitor [LOCAL_SDS]
Composition	Phoxim (ISO) CAS 14816-18-3, 92% w/w; technical grade (TC) [LOCAL_SDS]
CAS No.	14816-18-3 [ECHA]
EC No.	238-887-3 [ECHA]

1.2 Relevant identified uses and uses advised against

Plant protection product for professional use. Uses advised against: any use not in accordance with the label and local registration. [GHS_STD]

1.3 Supplier

Supplier	Shanghai Bosman Industrial Co., Limited
Address	Shanghai, China
Telephone / email	Refer to the product label and company website

1.4 Emergency telephone

OPEN - no dedicated emergency number supplied; contact the local poison centre. [OPEN]

2 HAZARD IDENTIFICATION

2.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Acute Tox. 3 H301; Acute Tox. 3 H311; Acute Tox. 3 H331; Skin Sens. 1 H317; Aquatic Acute 1 H400; Aquatic Chronic 1 H410 [ECHA]

2.2 Label elements



SIGNAL WORD

DANGER

Hazard statements: Acute Tox. 3 H301; Acute Tox. 3 H311; Acute Tox. 3 H331; Skin Sens. 1 H317; Aquatic Acute 1 H400; Aquatic Chronic 1 H410 [ECHA]

- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

- IF ON SKIN: Wash with plenty of water.
- Collect spillage.
- Dispose of contents/container to a licensed hazardous-waste contractor.

2.3 Other hazards

PBT/vPvB: OPEN [OPEN]. Endocrine disrupting properties: OPEN [OPEN].

3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS	Content	Classification
Active substance	14816-18-3	Phoxim (ISO) CAS 14816-18-3, 92% w/w	Acute Tox. 3 H301; Acute Tox. 3 H311; Acute Tox. 3 H331; Skin Sens. 1 H317; Aquatic Acute 1 H400; Aquatic Chronic 1 H410
Formulants / solvent	OPEN	to 100 %	OPEN

The product is a formulated preparation; the active substance identity and harmonised classification are from public regulatory sources. Formulant identity is OPEN. [OPEN]

4 FIRST-AID MEASURES

- Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
- Skin contact: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
- 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 advice/attention.
- Ingestion: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
- Most important symptoms/effects: see section 11; cholinesterase inhibition (organophosphorus).
- Note to physician: treat symptomatically; no specific antidote stated in supplied records.

5 FIRE-FIGHTING MEASURES

- Suitable extinguishing media: water spray, dry powder, foam, carbon dioxide.
- Unsuitable extinguishing media: OPEN.
- Special hazards: combustion may produce toxic fumes including nitrogen oxides, sulfur oxides, phosphorus oxides (where applicable).
- Protective equipment: self-contained breathing apparatus and full protective clothing.
- Flash point: OPEN [OPEN].

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions: Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.
- Environmental precautions: Avoid release to the environment. Collect spillage.
- Methods for cleaning: absorb with inert material, collect in labelled containers, dispose per section 13.
- Reference to other sections: sections 8 and 13.

7 HANDLING AND STORAGE

- Precautions for safe handling: obtain special instructions before use; avoid breathing vapours/mist; wash skin thoroughly after handling.
- Conditions for safe storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.
- Incompatibilities: OPEN - no product-specific incompatibility record supplied.

7.3 Specific end use

Professional plant protection use only; observe label and local registration.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Parameter	Value	Source
DNEL / OEL	OPEN [OPEN]	
PNEC	OPEN [OPEN]	
Engineering controls	Use only outdoors or in a well-ventilated area	
Respiratory protection	Approved respirator where ventilation is inadequate	
Skin / eye protection	Chemical-resistant gloves and goggles	

9 PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Source
Appearance	OPEN [OPEN]	
Odour	OPEN	
pH	OPEN [OPEN]	
Density	1.17 (from dangerous-goods certificate, technical material) [OPEN]	
Water solubility	OPEN [OPEN]	
Flash point	OPEN [OPEN]	
Partition coefficient	OPEN	
Vapour pressure	OPEN	

10 STABILITY AND REACTIVITY

- Reactivity: no specific reactivity hazard stated in supplied records; OPEN.
- Chemical stability: stable under normal storage conditions (general formulation statement).
- Possibility of hazardous reactions: OPEN.
- Conditions to avoid: heat, direct sunlight, incompatible materials (OPEN).
- Hazardous decomposition products: see section 5.

11 TOXICOLOGICAL INFORMATION

Endpoint	Result	Source
Acute oral LD50	OPEN [OPEN]	
Acute dermal LD50	OPEN [OPEN]	
Acute inhalation LC50	OPEN [OPEN]	
Skin irritation	OPEN [ECHA]	
Eye irritation	OPEN [ECHA]	
Sensitisation	OPEN [ECHA]	
STOT repeated exposure	OPEN [ECHA]	
Reproductive toxicity	OPEN [ECHA]	
Mutagenicity	OPEN [ECHA]	
Carcinogenicity	OPEN [ECHA]	

Values marked OPEN were not available in the supplied records or public authoritative sources and have not been estimated. For

organophosphorus active substances, cholinesterase inhibition is the primary toxicological mechanism. [ECHA, OPEN]

12 ECOLOGICAL INFORMATION

Endpoint	Result	Source
Fish (96 h LC50)	OPEN [OPEN]	
Daphnia (48 h EC50)	OPEN [OPEN]	
Algae (72 h EC50)	OPEN [OPEN]	
Aquatic plants	OPEN [OPEN]	
Bees	OPEN [OPEN]	
Earthworms	OPEN [OPEN]	
Birds	OPEN [OPEN]	
Degradation	OPEN [OPEN]	
Bioaccumulation	OPEN [OPEN]	
Mobility in soil	OPEN [OPEN]	
PBT / vPvB	OPEN [OPEN]	

The product is classified Acute Tox. 3 H301; Acute Tox. 3 H311; Acute Tox. 3 H331; Skin Sens. 1 H317; Aquatic Acute 1 H400; Aquatic Chronic 1 H410. Avoid release to the environment; collect spillage (P391). [ECHA]

13 DISPOSAL CONSIDERATIONS

- Waste treatment: dispose of contents/container via a licensed hazardous-waste contractor (Dispose of contents/container to a licensed hazardous-waste contractor.)
- Do not discharge to drains, watercourses or groundwater.
- Container disposal: empty containers may retain residues; handle as hazardous waste.

14 TRANSPORT INFORMATION

Parameter	Value	Source
UN number	UN3018 [UN_TDG]	
Proper shipping name	ORGANOPHOSPHORUS PESTICIDE, TOXIC, LIQUID (contains phoxim) [UN_TDG]	
Transport hazard class	6.1 [UN_TDG]	
Packing group	III [UN_TDG]	
Marine pollutant	No [UN_TDG]	

Transport classification is based on the active-substance hazards and the physical state of the formulation; confirm applicable modal rules before shipment. [UN_TDG]

15 REGULATORY INFORMATION

Classification and labelling according to Regulation (EC) No 1272/2008 (CLP). EU status: OPEN [OPEN]. Seveso / major-accident categories: OPEN [OPEN].

WHO hazard class: Class II (moderately hazardous) [WHO_CLASS]. Destination-market registration and MRL status must be confirmed by the importer. [OPEN]

16 OTHER INFORMATION

SDS number	**BM-SDS-9745**	Version	**1.0**
Issue date	**28 November 2026**	Data status	**OPEN items are not estimated**
Revision	**Initial issue for the newly listed product**		

This safety data sheet is prepared from supplier records and public authoritative sources. Values marked OPEN require analytical or registrant data before they are used for classification, labelling or transport decisions. The information relates to the product as supplied and does not replace destination-specific regulatory assessment. [OPEN, GHS_STD]