

## Chemical Safety Data Sheet MSDS / SDS

## TOXAPHENE

Revision Date:2026-05-31 Revision Number:1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

**Product identifier**

Product name : TOXAPHENE  
CBnumber : CB3669233  
CAS : 8001-35-2  
EINECS Number : 232-283-3  
Synonyms : Toxaphene,camphechlor

**Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses : For R&D use only. Not for medicinal, household or other use.  
Uses advised against : none

**Company Identification**

Company : Chemicalbook  
Address : Building 1, Huihuang International, Shangdi 10th Street, Haidian District, Beijing  
Telephone : 010-86108875

## SECTION 2: Hazards identification

**GHS Label elements, including precautionary statements**

Symbol(GHS)



Signal word

Danger

**Precautionary statements**

P403+P235 Store in a well-ventilated place. Keep cool.  
P370+P378 In case of fire: Use ... for extinction.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

**Hazard statements**

H411 Toxic to aquatic life with long lasting effects  
H370 Causes damage to organs  
H225 Highly Flammable liquid and vapour

## SECTION 3: Composition/information on ingredients

## Substance

Product name	: TOXAPHENE
Synonyms	: Toxaphene,camphechlor
CAS	: 8001-35-2
EC number	: 232-283-3
MF	: C10H15Cl
MW	: 170.679

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## SECTION 4: First aid measures

### First Aid Measures

#### General advice

If symptoms persist, call a physician.

#### Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

#### Skin Contact

Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

#### Inhalation

Remove to fresh air Artificial respiration and/or oxygen may be necessary Call a physician

Immediate medical attention is not required Move to fresh air in case of accidental inhalation of vapors If symptoms persist, call a physician

#### Ingestion

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.

#### Self-protection of the first aider

Use personal protective equipment as required.

### Most important symptoms and effects, both acute and delayed

#### Symptoms

No information available.

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

#### Note to physicians

Treat symptomatically.

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## SECTION 5: Firefighting measures

### Suitable Extinguishing Media

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable Extinguishing Media**

No information available.

#### **Specific hazards arising from the chemical**

##### **Specific hazards arising from the chemical**

No information available.

##### **Hazardous combustion products**

Carbon oxides.

#### **Explosion data**

##### **Sensitivity to Mechanical Impact**

No information available.

##### **Sensitivity to Static Discharge**

No information available.

#### **Protective equipment and precautions for firefighters**

##### **Protective equipment and precautions for firefighters**

As in any fire, wear self contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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## SECTION 6: Accidental release measures

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

#### **Personal precautions**

Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

#### **Environmental precautions**

##### **Environmental precautions**

See Section 12 for additional Ecological Information. Prevent product from entering drains.

Should not be released into the environment. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

### **Methods and material for containment and cleaning up**

#### **Methods for containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for cleaning up**

Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers.

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## SECTION 7: Handling and storage

### **Precautions for safe handling**

### Advice on safe handling

Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Store at 4 °C.

#### Incompatible materials

None known based on information supplied.

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## SECTION 8: Exposure controls/personal protection

### Control parameters

#### Exposure Guidelines

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#### Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Column 1	Column 2	Column 3	Column 4
Toxaphene 8001-35-2	STEL: 1 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup> S*	TWA: 0.5 mg/m <sup>3</sup> (vacated) TWA: 0.5 mg/m <sup>3</sup> (vacated) STEL: 1 mg/m <sup>3</sup> (vacated) S*	IDLH: 200 mg/m <sup>3</sup>

NIOSH IDLH Immediately Dangerous to Life or Health

### Appropriate engineering controls

#### Engineering Controls

Showers

Eyewash stations

Ventilation systems

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Tight sealing safety goggles. Face protection shield.

#### Skin and Body Protection

Wear protective gloves and protective clothing.

#### Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

#### General Hygiene Considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

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## SECTION 9: Physical and chemical properties

## Information on basic physicochemical properties

Physical State	liquid
Appearance	No information available
Odor	No information available
pH	No information available
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	4 °C
Liquid Density	No information available
Evaporation rate	No information available
Upper flammability limits	No information available
Lower flammability limit	No information available
Vapor pressure	15.8 at 25 °C (2,2,5-endo-6-exo-8,9,10-heptachlorobornane, toxaphene component, Hinckley et al., 1990)
Vapor density	No information available
Specific gravity	No information available
Water solubility	0.4mg/L(25 °C)
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Density and/or relative density	1.65
Solubility	120 g/L in alcohol at 25–30 °C (quoted, Meites, 1963)
Henry's Law Constant	0.99 at 10 °C, 3.56 at 20 °C, 6.81 at 30 °C, 8.49 at 35 °C, 14.8 at 40 °C (gas stripping, Jantunen and Bidleman, 2000)

## SECTION 10: Stability and reactivity

### Reactivity

Not applicable

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous polymerization

No information available.

### **Conditions to avoid**

Extremes of temperature and direct sunlight.

### **Incompatible materials**

Strong oxidizing agents.

### **Hazardous Decomposition Products**

Carbon oxides.

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## **SECTION 11: Toxicological information**

### **Information on likely routes of exposure**

#### **Inhalation**

Classified based on available data. For more details, see section 2.

#### **Eye contact**

Classified based on available data. For more details, see section 2.

#### **Skin Contact**

Classified based on available data. For more details, see section 2.

#### **Ingestion**

Classified based on available data. For more details, see section 2.

### **Information on toxicological effects**

#### **Symptoms**

Classified based on available data. For more details, see section 2.

### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

#### **Chronic Toxicity**

May cause adverse liver effects. Avoid repeated exposure. Target Organ Effects Central nervous system, Liver, Skin. Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

### **Chemical name ACGIH IARC NTP OSHA**

#### **Toxaphene A3 Group**

2A Reasonably Anticipated X 8001-35-2 Group 2B

### **IARC (International Agency for Research on Cancer) Group 2A - Probably Carcinogenic to Humans**

#### **Group**

2B - Possibly Carcinogenic to Humans

### **Numerical measures of toxicity - Product Information**

#### **Unknown acute toxicity**

Classified based on available data. For more details, see section 2

The following values are calculated based on chapter 3.1 of the GHS document

#### **ATEmix (oral)**

100 mg/kg

**ATEmix (dermal)**

1100 mg/kg

**ATEmix (inhalation-dust/mist)**

0.5 mg/l

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## SECTION 12: Ecological information

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Toxaphene 8001-35-2		0.014: 96 h Pimephales promelas mg/L LC50 0.0034 - 0.0074: 96 h Pimephales promelas mg/L LC50 flow-through 0.0051: 96 h Pimephales promelas mg/L LC50 static 0.0028 - 0.0047: 96 h Cyprinus carpio mg/L LC50 static 0.02: 96 h Poecilia reticulata mg/L LC50 static 0.002 - 0.0028: 96 h Lepomis macrochirus mg/L LC50 static 0.0054: 96 h Oncorhynchus mykiss mg/L LC50 0.0018: 96 h Oncorhynchus mykiss mg/L LC50 static 0.003 - 0.00378: 96 h Lepomis macrochirus mg/L LC50 flow-through		0.0068 - 0.0147: 48 h Daphnia magna mg/L EC50 Static

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

### Toxaphene -

0.014: 96 h Pimephales - 0.0068 - 0.0147: 48 h

**Persistence and degradability No information available. Bioaccumulation No information available. Mobility No information available.**

### Toxaphene

3.3 8001-35-2

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## SECTION 13: Disposal considerations

### Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations. Should not be released into the environment.

### Contaminated packaging

Do not reuse container.

### California Hazardous Waste Status

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status
Toxaphene 8001-35-2	Toxic

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## SECTION 14: Transport information

### DOT

**UN/ID no**

UN2810

**Hazard Class**

6.1

**Packing Group**

III

**Proper shipping name**

Toxic liquids, organic, n.o.s. Reportable Quantity (RQ) (Toxaphene: RQ (kg)= 0.454)

**Description**

UN2810, Toxic liquids, organic, n.o.s. (Toxaphene), 6.1, III Marine pollutant This product contains a chemical which is listed as a severe marine pollutant according to DOT

**Emergency Response Guide Number**

153

### IMDG

**UN/ID no**

UN2810

**Hazard Class**

6.1

**Packing Group**

III

**Proper shipping name**

Toxic liquid, organic, n.o.s.

**Description**

UN2810, Toxic liquid, organic, n.o.s. (Toxaphene), 6.1, III, Marine pollutant

**Special Provisions**

223, 274

**EmS-No**

F-A, S-A Marine pollutant This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

### IATA

**UN/ID no**

UN2810

**Hazard Class**

6.1

**Packing Group**

III

**Proper shipping name**

Toxic liquid, organic, n.o.s.

**Description**

UN2810, Toxic liquid, organic, n.o.s. (Toxaphene), 6.1, III

**ERG Code**

6L

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## SECTION 15: Regulatory information

### International Inventories

All of the components in the product are on the following Inventory lists

Europe (EINECS/ELINCS/NLP) Australia (AICS) South Korea (KECL): Philippines (PICCS)

X - Listed

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

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Toxaphene	-	-	-	X	-	-	-	X	X	X

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

**Acute health hazard**

Yes

**Chronic Health Hazard**

Yes

**Fire hazard**

No

**Sudden release of pressure hazard**

No

**Reactive hazard**

No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toxaphene 8001-35-2	1 lb	X	X	X

## US State Regulations

### California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name California Proposition 65
Chemical name
Toxaphene - 8001-35-2

### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Toxaphene 8001-35-2	X	X	X

## SECTION 16: Other information

### Abbreviations and acronyms

CAS: Chemical Abstracts Service

TWA: Time-Weighted Average

STEL: Short-Term Exposure Limit

LD50: Lethal Dose 50%

LC50: Lethal Concentration 50%

EC50: Effective Concentration 50%

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

IMDG: International Maritime Dangerous Goods Code

IATA: International Air Transport Association

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

DOT: US Department of Transportation

NFPA: National Fire Protection Association

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

#### Disclaimer:

The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.