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# SAFETY DATA SHEET

#### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name: Tribromoethylene

Product code: T0794

TCI (Shanghai) DEVELOPMENT CO., LTD. Company:

Address: No.96 Pu Gong Road, Shanghai Chemical Industry Park, Shanghai 201507 China

Not classified

**Responsible Department:** Sales Department +86-(0)21-67121386 Telephone: +86-(0)21-67121385 Fax: e-mail: sales@tcishanghai.com.cn

Revision number:

## 2. HAZARDS IDENTIFICATION

Classification of the GHS **PHYSICAL HAZARDS HEALTH HAZARDS** 

Acute toxicity (Oral) Category 4 Acute toxicity (Inhalation) Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A **ENVIRONMENTAL HAZARDS** Not classified

**GHS** label elements

Pictograms or hazard symbols



Signal word Warning

Harmful by inhalation and if swallowed **Hazard statement** 

Causes skin irritation

Causes serious eye irritation

**Precautionary statements** 

[Prevention] Avoid breathing.

> Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Wear protective gloves/eye protection/face protection.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for [Response]

breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Rinse mouth.

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. IF ON SKIN: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Dispose of contents/container through a waste management company authorized by [Disposal]

the local government

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture:SubstanceComponent(s):TribromoethylenePercent:>97.0%(GC)CAS Number:598-16-3Chemical Formula:C2HBr3

## 4. FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of

soap and water. If skin irritation or rash occurs: Get medical advice/attention.

**Eye contact:** 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:** Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-

tight goggles.

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing

media:

Dry chemical, foam, water spray, carbon dioxide.

**Specific hazards:** Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable

containers if safe to do so.

Special protective

Specific methods:

When extinguishing fire, be sure to wear personal protective equipment.

equipment for firefighters:

## **6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled

**emergency procedures:** around the leakage area by roping off, etc. **Environmental precautions:** Prevent product from entering drains.

Methods and materials for

containment and cleaning

up:

Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, saw-dust). In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and

regulations.

#### 7. HANDLING AND STORAGE

Handling

**Technical measures:** Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent generation of vapor or mist. Wash hands and face thoroughly after handling.

Use a ventilation, local exhaust if vapor or aerosol will be generated.

**Advice on safe handling:** Avoid contact with skin, eyes and clothing.

**Storage** 

**Storage conditions:** Keep container tightly closed. Store in a cool and dark place.

Store under inert gas.

Store away from incompatible materials such as oxidizing agents.

Packaging material: Law is followed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Install a closed system or local exhaust as possible so that workers should not be

exposed directly. Also install safety shower and eye bath.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

**Respiratory protection:** Vapor respirator. Follow local and national regulations.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. A face-shield, if the situation requires. **Skin and body protection:** Protective clothing. Protective boots, if the situation requires.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Liquid clear

Color:
Colorless - Pale yellow
Odor:
No data available
No data available
Melting point/freezing point: No data available

**Boiling Point/Range:** 163 °C

Flash Point: No data available

**Explosive limits** 

Lower: No data available Upper: No data available

Density: 2.71

**Solubility:** Soluble in : Ethanol Ether Acetone Chloroform

Slightly soluble in: Water

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under proper conditions.

**Reactivity:** No special reactivity has been reported.

**Conditions to avoid:** Light-sensitive, Air-sensitive oxidizing agents, strong bases

Hazardous Decomposition Carbon monoxide, Carbon dioxide, Hydrogen bromide

**Products:** 

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: ihl-mus LC50:3900 mg/m<sup>3</sup>/2H

orl-mus LD50:1100 mg/kg

Skin corrosion/irritation: No data available
Serious eye No data available

damage/irritation:

Germ cell mutagenicity: No data available

Carcinogenicity:

IARC = No data available
NTP = No data available
Reproductive toxicity: No data available
RTECS Number: KX4300000

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** 

Fish: No data available
Crustacea: No data available
Algae: No data available
Persistence / degradability: No data available
Bioaccumulative No data available

potential(BCF): Mobillity in soil

log Pow:No data availableSoil adsorption (Koc):No data availableHenry's LawNo data available

constant(PaM³/mol):

#### 13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. Observe all federal, state and local regulations when disposing of the substance.

## 14. TRANSPORT INFORMATION

Hazards Class: Does not correspond to the classification standard of the United Nations

UN-No: Not Listed

#### 15. REGULATORY INFORMATION

Safe management ordinance of dangerous chemical product (State Council announces on January 26, 2002): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

The list of a dangerous chemical(2002)/CN-No.: 61581

#### 16. OTHER INFORMATION

The reference company name of written contents

Company: TCI (Shanghai) DEVELOPMENT CO., LTD.

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**Department:** R&D (Information Management) Department

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This MSDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.