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**Revision date: 11/30/2010** 

# **SAFETY DATA SHEET**

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

**Product name:** Dichlorodipentylsilane

Product code: D2710

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

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

Not classified

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

Revision number: 1

## 2. HAZARDS IDENTIFICATION

Classification of the GHS PHYSICAL HAZARDS HEALTH HAZARDS

Acute toxicity (Oral)
Acute toxicity (Dermal)
Acute toxicity (Inhalation)
Skin corrosion/irritation
Serious eye damage/eye irritation
ENVIRONMENTAL HAZARDS
Category 4
Category 1
Category 1
Category 1
Not classified

**GHS** label elements

Pictograms or hazard symbols





Signal word Danger

Hazard statement Harmful by inhalation, in contact with skin and if swallowed

Causes severe skin burns and eye damage

**Precautionary statements** 

[Prevention] Do not breathe.

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 and eye/face protection.

[Response] IF INHALED: 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.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

if present and easy to do. Continue rinsing.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse

skin with water/shower.

Wash contaminated clothing before reuse.

Immediately call a POISON CENTER or doctor/physician.

[Storage] Store locked up.

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

the local government

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance

Component(s): Dichlorodipentylsilane

 Percent:
 >90.0%(GC)

 CAS Number:
 18037-39-3

 Chemical Formula:
 C<sub>10</sub>H<sub>22</sub>Cl<sub>2</sub>Si

#### 4. FIRST AID MEASURES

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

Immediately call a POISON CENTER or doctor/physician.

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

soap and water. Immediately call a POISON CENTER or doctor/physician.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.Immediately call a POISON CENTER or

doctor/physician.

Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT

induce vomiting.

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

Dry chemical, carbon dioxide.

media:

Extinguishing media not to Water

be used:

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

generate poisonous fume.

**Specific methods:** 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

equipment for firefighters:

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

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use extra personal protective equipment (self-contained breathing apparatus). Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled 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.

Prevention of secondary

hazards:

Do not allow contact with water. Remove all sources of ignition. Fire-extinguishing devices should be prepared in case of a fire. Use spark-proof tools and explosion-proof agriculture.

proof equipment.

## 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 closed system if possible. Use a ventilation, local exhaust if vapor or aerosol

will be generated.

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

May develop pressure. Open carefully.

**Storage** 

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

## 7. HANDLING AND STORAGE

Store under inert gas. Protect from moisture. Store locked up.

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. Also install safety shower and eye bath.

Personal protective equipment

**Respiratory protection:** Half or full facepiece respirator, self-contained breathing apparatus(SCBA), supplied

air respirator, etc. Use respirators approved under appropriate government standards

and follow local and national regulations.

Hand protection: Impervious gloves.

**Eye protection:** Safety goggles. A face-shield, if the situation requires.

Skin and body protection: Impervious protective clothing. Protective boots, if the situation requires.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Liquid clear

Colorless - Slightly pale yellow

Odor: No data available
pH: No data available
Melting point/freezing point: No data available
Boiling Point/Range: No data available
Flash Point: No data available

**Explosive limits** 

Lower: No data available Upper: No data available

Density: 0.96

Solubility: No data available

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under proper conditions.

**Reactivity:** Decomposes in contact with water and liberates toxic gases.

Conditions to avoid: Moisture-sensitive Incompartible materials: oxidizing agents

Hazardous Decomposition Carbon monoxide, Carbon dioxide, Hydrogen chloride, Silicon oxides

**Products:** 

#### 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:
Skin corrosion/irritation:
No data available
No data available
No data available

damage/irritation:

Germ cell mutagenicity: No

No data available

Carcinogenicity:

IARC = No data available
NTP = No data available
Reproductive toxicity: No data available

#### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** 

Fish:
Crustacea:
Algae:
No data available

## 12. ECOLOGICAL INFORMATION

Bioaccumulative No data available

potential(BCF): Mobillity in soil

Iog 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. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

#### 14. TRANSPORT INFORMATION

Hazards Class: 8: Corrosive.

**UN-No**: 1760

**Proper shipping name:** Corrosive liquid, n.o.s.

Packing group:

#### 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.

## **16. OTHER INFORMATION**

The reference company name of written contents

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

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

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

**Telephone:** +86-(0)21-67121388\*461 **Fax:** +86-(0)21-67121385

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