



TCI Chemicals (India) Pvt. Ltd.

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Revision number: 3

Revision date: 10/31/2014

1. IDENTIFICATION

Identification of the substance or preparation

Product name: Trichloro(6-phenylhexyl)silane
Product code: T2854

Use of the substance/preparation

Recommended use: Reagents

Company/undertaking identification

TCI Chemicals (India) Pvt. Ltd.
Plot No. B-28, Phase II,
5th Cross Street, MEPZ-SEZ, Tambaram,
Chennai, Tamilnadu - 600045
India
Telephone: +91-44-2262 0909

Emergency telephone number:

+91-44-2262 0909

2. HAZARDS IDENTIFICATION

Indication of danger:

R-phrase(s) C - Corrosive
R34 - Causes burns.
R41 - Risk of serious damage to eyes.

GHS classification

PHYSICAL HAZARDS

Corrosive to metals

Category 1

HEALTH HAZARDS

Skin corrosion/irritation

Category 1B

Serious eye damage/eye irritation

Category 1

ENVIRONMENTAL HAZARDS

Not classified

GHS label elements, including precautionary statements

Pictograms or hazard symbols



Signal word

Danger

Hazard statements

H290-May be corrosive to metals.
H314-Causes severe skin burns and eye damage.

Precautionary statements

[Prevention]

P234-Keep only in original container.
P260-Do not breathe dust/fume/gas/mist/vapours/spray.
P264-Wash hands thoroughly after handling.
P280-Wear protective gloves/eye protection/face protection.
P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301+P330+P331-IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353-IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363-Wash contaminated clothing before reuse.
P310-Immediately call a POISON CENTER or doctor/physician.
P390-Absorb spillage to prevent material damage.
P405-Store locked up.
P501-Dispose of contents/container through a waste management company authorized by the local government

[Response]

[Storage]

[Disposal]

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture:

Substance

Components:

Trichloro(6-phenylhexyl)silane

T2854

Trichloro(6-phenylhexyl)silane

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Percent:	>98.0%(GC)
CAS Number:	18035-33-1
Synonyms:	(6-Phenylhexyl)trichlorosilane
Chemical Formula:	C ₁₂ H ₁₇ Cl ₃ 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.
Ingestion:	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 media:	Dry chemical, carbon dioxide.
Unsuitable extinguishing media:	Water
Specific hazards arising from the chemical:	Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.
Precautions for firefighters:	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 equipment.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical measures:	Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent generation of vapour or mist. Wash hands and face thoroughly after handling.
Advice on safe handling:	Use a closed system if possible. Use a ventilation, local exhaust if vapour or aerosol will be generated. Avoid contact with skin, eyes and clothing. May develop pressure. Open carefully. Use corrosive resistant equipment.
Conditions for safe storage, including any incompatibilities	
Storage conditions:	Keep container tightly closed. Store in a cool and dark place. Store under inert gas. Protect from moisture. Store locked up. Store away from incompatible materials such as oxidizing agents.
Packaging material:	Moisture-sensitive. Comply with laws. Keep only in original container.

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
Form:	Clear
Colour:	Colorless - Almost colorless
Odour:	No data available
pH:	No data available
Melting point/freezing point:	No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling point/range:	92°C/0.01kPa
Flash point:	No data available (Calculated value:>60°C)
Flammability or explosive limits:	
Lower:	No data available
Upper:	No data available
Relative density:	1.15
Solubility(ies):	
[Water]	No data available
[Other solvents]	No data available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under proper conditions.
Possibility of hazardous reactions:	Decomposes in contact with water and liberates toxic gases.
Conditions to avoid:	Moisture
Incompatible materials:	Oxidizing agents, Bases, Water
Hazardous decomposition products:	Carbon monoxide, Carbon dioxide, Hydrogen chloride, Silicon oxides

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:
Skin corrosion/irritation:
Serious eye damage/irritation:
Germ cell mutagenicity:
Carcinogenicity:

Reproductive toxicity:

*We judged that this product was not classified into Class 6.1 Toxic Substance of current edition of IATA Dangerous Goods Regulations (DGR) according to acute toxicity values and/or Quantitative Structure-Activity Relationship (QSAR).

12. ECOLOGICAL INFORMATION

Ecotoxicity:	
Fish:	No data available
Crustacea:	No data available
Algae:	No data available
Persistence / degradability:	No data available
Bioaccumulative potential (BCF):	No data available
Mobility in soil	
Log Pow:	No data available
Soil adsorption (K _{oc}):	No data available
Henry's Law constant (PaM ³ /mol):	No data available

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

UN-No: 2987

ADR/RID

Hazards Class:	8: Corrosive.
Proper shipping name:	Chlorosilanes, corrosive, n.o.s.
Packing group:	II

IMDG/IMO

Hazards Class:	8: Corrosive.
Proper shipping name:	Chlorosilanes, corrosive, n.o.s.
Packing group:	II

ICAO/IATA

Hazards Class:	8: Corrosive.
Proper shipping name:	Chlorosilanes, corrosive, n.o.s.
Packing group:	II

15. REGULATORY INFORMATION

Indication of danger:

C - Corrosive

In accordance with local and national regulations

R-phrases) R34 - Causes burns.

R41 - Risk of serious damage to eyes.

S-phrases) S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 - Wear suitable protective clothing.

16. OTHER INFORMATION

Prepared by: TCI Chemicals (India) Pvt. Ltd.
Issue date: 10/31/2014

This SDS 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. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. 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.

The 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.