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SAFETY DATA SHEET

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

Product name: 2,4,6-Trifluoronitrobenzene

Product code: T1681

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

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

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

Flammable liquids Category 4

HEALTH HAZARDS

Acute toxicity (Oral)
Category 4
Acute toxicity (Dermal)
Category 4
Acute toxicity (Inhalation)
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

Hazard statement Combustible liquid

Harmful by inhalation, in contact with skin and if swallowed

Causes skin irritation
Causes serious eye irritation

Precautionary statements [Prevention]

Keep away from flames and hot surfaces.

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 and eye/face protection.

2. HAZARDS IDENTIFICATION

[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: 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.

Wash contaminated clothing before reuse.

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

Store in a well-ventilated place. Keep cool. [Storage]

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

the local government

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance

2,4,6-Trifluoronitrobenzene Component(s):

Percent: >95.0%(GC) 315-14-0 **CAS Number:**

1,3,5-Trifluoro-2-nitrobenzene Synonyms:

Chemical Formula: $C_6H_2F_3NO_2$

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.

Eve 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.

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

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, foam, water spray, carbon dioxide.

media:

Extinguishing media not to Solid streams of 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

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

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

6. ACCIDENTAL RELEASE MEASURES

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:

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

Handling

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

Prevent generation of vapor or mist. Keep away from flames and hot surfaces. Take

measures to prevent the build up of electrostatic charge. Use explosion-proof

equipment. Wash hands and face thoroughly after handling.

Use a closed system, ventilation.

Advice on safe handling:

Avoid contact with skin, eyes and clothing.

Storage

Storage conditions: Keep container tightly closed. Store in a cool, dark and well-ventilated place.

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.

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: Slightly pale yellow - Yellow

Odor: No data available PH: No data available Melting point/freezing point: No data available

Boiling Point/Range: 172 °C **Flash Point:** 78°C

Explosive limits

Lower: No data available Upper: No data available

Density: 1.53

Solubility: No data available

10. STABILITY AND REACTIVITY

Stability: Stable under proper conditions.

Reactivity: No special reactivity has been reported.

Incompartible materials: oxidizing agents

Hazardous Decomposition Carbon monoxide, Carbon dioxide, Nitrogen oxides (NOx), Hydrogen fluoride

Products:

11. TOXICOLOGICAL INFORMATION

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

damage/irritation:

11. TOXICOLOGICAL INFORMATION

Germ cell mutagenicity: No data available

Carcinogenicity:

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

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. 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: 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.

16. OTHER INFORMATION

The reference company name of written contents

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

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