



SAFETY DATA SHEET

1. IDENTIFICATION

Product name: 5-Chlorovaleryl Chloride **Company:** 5peranza Chemical Co., Ltd.

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

PHYSICAL HAZARDS Flammable liquids Corrosive to metals

Corrosive to metals
HEALTH HAZARDS

Skin corrosion/irritation Serious eye damage/eye irritation ENVIRONMENTAL HAZARDS

Label elements

Pictograms or hazard symbols

Category 4 Category 1

Category 1B Category 1 Not classified



Signal word Danger

Hazard statements Combustible liquid

May be corrosive to metals

Causes severe skin burns and eye damage

Precautionary statements:

[Prevention] Keep away from flames and hot surfaces.

Keep only in original container.

Do not breathe dust/fume/gas/mist/vapours/spray.

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.

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.

Absorb spillage to prevent material damage.

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

Store locked up.

2. HAZARDS IDENTIFICATION

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

the local government.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance

Components: 5-Chlorovaleryl Chloride

Percent: >99.0%(GC)(T) **CAS Number:** 1575-61-7

Synonyms: 5-Chloropentanoyl Chloride

Chemical Formula: C₅H₈Cl₂O

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.

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

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

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

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.

Water

5. FIRE-FIGHTING MEASURES

Suitable extinguishing

media:

Dry chemical, carbon dioxide.

Unsuitable extinguishing

media:

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: **Environmental precautions:** Prevent product from entering drains.

Use extra personal protective equipment (self-contained breathing apparatus). Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to noninvolved personnel should be controlled around the leakage area by roping off, etc.

Methods and materials for

containment and cleaning

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

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

Prevent generation of vapour 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.

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, dark and well-ventilated place.

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

Store away from incompatible materials such as oxidizing agents.

Moisture-sensitive

Packaging material: 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 Clear

Colorless - Pale yellow

Odour: Stench

pH: No data available
Melting point/freezing point:No data available
Boiling point/range: No data available

Flash point: 90°C

Flammability or explosive

limits:

Lower: No data available Upper: No data available

Relative density: 1.21

Solubility(ies):

[Water] No data available [Other solvents] No data available

10. STABILITY AND REACTIVITY

Chemical stability: Stable under proper conditions.

Possibility of hazardous

Decomposes in contact with water and liberates toxic gases.

reactions:

Conditions to avoid: Open flame. Moisture

Incompatible materials: Oxidizing agents, Strong bases, Water, Alcohols

Hazardous decomposition Carbon monoxide, Carbon dioxide, Hydrogen chloride, Phosgene

products:

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: ivn-mus LD50:320 mg/kg

11. TOXICOLOGICAL INFORMATION

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: YV9108000

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): Mobility 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: 8: Corrosive.

UN-No: 3265

Proper shipping name: Corrosive liquid, acidic, organic, n.o.s.

Packing group:

15. REGULATORY INFORMATION

Regulations on the Control over Safety of Dangerous Chemicals (State Council announces on January 26, 2002 and revised on February 16,2011): 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: Speranza Chemical Co., Ltd.

Address: 1809, Yingfeng center, No.6 Yinwei Road, Longgang Dis, 518000, Shenzhen, P. R. China.

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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.