

5,10-Dimethyl-5,10-dihydrophenazine 15546-75-5 MSDS**5,10-Dihydro-5,10-dimethylphenazine Revision number: 5****SAFETY DATA SHEET****Section 1. IDENTIFICATION****Product name:** 5,10-Dihydro-5,10-dimethylphenazine**Revision number:** 5**Section 2. HAZARDS IDENTIFICATION****GHS classification****PHYSICAL HAZARDS** Not classified**HEALTH HAZARDS****Acute toxicity (Oral)** Category 4

Category 4

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

Category 2

Skin corrosion/irritation**Serious eye damage/eye irritation** Category 2A

Not classified

ENVIRONMENTAL HAZARDS**GHS label elements, including precautionary statements****Pictograms or hazard symbols****Signal word** Warning

Harmful if swallowed, in contact with skin or if inhaled

Hazard statements

Causes skin irritation

Causes serious eye irritation

Precautionary statements:

Avoid breathing dust/fume/gas/mist/vapours/spray.

[Prevention]

Use only outdoors or in a well-ventilated area.

Do not eat, drink or smoke when using this product.

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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: 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.

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Section 2. HAZARDS IDENTIFICATION

[Disposal] Dispose of contents/container through a waste management company authorized by the local government.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Substance

Components: 5,10-Dihydro-5,10-dimethylphenazine
>98.0%(GC)(N)

Percent:

CAS Number: 15546-75-5

Chemical Formula: C₁₄H₁₄N₂

Section 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.

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

Eye contact:

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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.

Section 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.

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.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep people away from and upwind of spill/leak.

Entry to non-involved personnel should be controlled around the leakage area by emergency procedures: roping off, etc.

Environmental precautions: Prevent product from entering drains.

Methods and materials for containment and cleaning: Sweep dust to collect it into an airtight container, taking care not to disperse it.

Adhered or collected material should be promptly disposed of, in accordance with up: appropriate laws and regulations.

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Section 7. HANDLING AND STORAGE

Precautions for safe handling

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

Technical measures:

Prevent dispersion of dust. Wash hands and face thoroughly after handling.

Use a local exhaust if dust or aerosol will be generated.

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

Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a cool and dark place.

Storage conditions:

Store away from incompatible materials such as oxidizing agents.

Comply with laws.

Packaging material:

5,10-Dihydro-5,10-dimethylphenazine

Section 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: Dust respirator. Follow local and national regulations.

Hand protection: Protective gloves.

Safety glasses. A face-shield, if the situation requires.

Eye protection:

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

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Solid

Crystal- Powder

Form:

Colour: White - Slightly pale yellow

No data available

Odour:

pH: No data available

Melting point/freezing point: 153°C

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Boiling point/range: No data available

Flash point: No data available

Flammability or explosive

limits:

Lower: No data available

Upper: No data available

Relative density: No data available

Solubility(ies):

[Water] No data available

[Other solvents]

Soluble: Toluene

Section 10. STABILITY AND REACTIVITY

Chemical stability: Stable under proper conditions.

Possibility of hazardous No special reactivity has been reported.

reactions:

Incompatible materials: Oxidizing agents

Hazardous decomposition Carbon monoxide, Carbon dioxide, Nitrogen oxides (NOx)
products:

Section 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye No data available

damage/irritation:

Germ cell mutagenicity: No data available

Carcinogenicity:

IARC = No data available

No data available

NTP =

Reproductive toxicity: No data available

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:

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Fish: No data available

Crustacea: No data available

Algae: No data available

Persistence / degradability: No data available

No data available

Bioaccumulative

potential(BCF):

Mobility in soil

Log Pow: No data available

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Section 12. ECOLOGICAL INFORMATION

Soil adsorption (Koc): No data available

Henry's Law No data available

constant(PaM3/mol):

Section 13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material

with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system.

Observe all federal, state and local regulations when disposing of the substance.

Section 14. TRANSPORT INFORMATION

Does not correspond to the classification standard of the United Nations

Hazards Class:

UN-No: Not listed

Section 15. REGULATORY INFORMATION

Safe management ordinance of dangerous chemical product (State Council announces on January 26, 2002

and revised on February 16,2011): Safe use and production, the storage of a dangerous

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J&H Chemical Co., LTD

chemical, transport,

loading and unloading were prescribed.

SECTION 16 - ADDITIONAL INFORMATION

N/A

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