

# **SAFETY DATA SHEET**

## 1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT CODE H0004

**PRODUCT NAME** 2,5-DIMETHYL PYRAZINE

**SUPPLIER** Shanghai M & U International Trade Co., Ltd.

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FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)

# 2. HAZARD IDENTIFICATION:

# **Emergency Overview**

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 4)
Acute toxicity, Oral (Category 4)
Skin irritation (Category 2)
Eye irritation (Category 2A)

Specific target organ toxicity

- single exposure (Category 3), Respiratory system

# GHS Label elements, including precautionary statements Pictogram:



# Signal word

Warning

# **Hazard statement(s)**

H227 Combustible liquid.
H302 Harmful if swallowed.
H315 Causes skin irritation.

H319 Causes serious eye irritation. H335 May cause respiratory irritation.

**Precautionary statement(s)** 

P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.	
P264	Wash skin thoroughly after handling.	
P270	Do not eat, drink or smoke when using this product.	
P271	Use only outdoors or in a well-ventilated area.	
P280	Wear protective gloves/ protective clothing/ eye protection/ face	
	protection.	
P301 P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you	
	feel unwell.	
P302 P352	IF ON SKIN: Wash with plenty of soap and water.	
P304 P340	IF INHALED: Remove victim to fresh air and keep at rest in a position	
	comfortable for breathing.	
P305 P351 P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove	
	contact lenses, if present and easy to do. Continue rinsing.	
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.	
P321	Specific treatment (see supplemental first aid instructions on this label).	
P330	Rinse mouth.	
P332 P313	If skin irritation occurs: Get medical advice/ attention.	
P337 P313	If eye irritation persists: Get medical advice/ attention.	
P362	Take off contaminated clothing and wash before reuse.	
P370 P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for	
	extinction.	
P403 P233	Store in a well-ventilated place. Keep container tightly closed.	
P403 P235	Store in a well-ventilated place. Keep cool.	
P405	Store locked up.	
P501	Dispose of contents/ container to an approved waste disposal plant.	

# **HMIS Classification**

Health hazard 1 Flammability 2 Physical hazards 1

# **NFPA Rating**

Health hazard 1

Fire 2

Reactivity Hazard 0

# **Potential Health Effects**

# Inhalation

May be harmful if inhaled. Causes respiratory tract irritation.

# Skin

Harmful if absorbed through skin. Causes skin irritation

# Eyes

Causes eye irritation.

# **Ingestion**

Harmful if swallowed

#### 3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Formula: C6 H8 N2
Molecular Weight: 180.14
CAS-No.: 123-32-0
EC-No.: 204-618-3
Index-No.: N/A
Concentration: N/A

#### 4. FIRST-AID GUIDE:

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

# In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

# If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

# 5. FIRE-FIGHTING GUIDE:

### **Conditions of flammability**

Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.

## Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

# **Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

# **Hazardous combustion products**

Hazardous decomposition products formed under fire conditions- Carbon oxides, nitrogen oxides (NOx)

#### **Further information**

Use water spray to cool unopened containers.

#### 6. ACCIDENTAL RELEASE GUIDE:

## **Personal precautions**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

## **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

# Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### 7. HANDLING AND STORAGE:

# **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition- No smoking. Take measures to prevent the buildup of electrostatic charge.

#### **Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hygroscopic

# 8. EXPOSURE AND PERSONAL PROTECTION:

Contains no substances with occupational exposure limit values.

# **Personal protective equipment**

# **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

# Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

# **Eye protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

# Skin and body protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

# **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

# 9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	
Form	liquid
Colour	colourless to pale yellow
Safety data	
pН	no data available
Melting point	no data available
<b>Boiling point</b>	155 °C
Flash point	147 °F - closed cup
Ignition temperature	no data available
Auto ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure (mm Hg@20 °C)	no data available
Density @25 °C	0.988
Water solubility	SOLUBLE
Partition coefficient (n-octanol/water)	no data available
Relative vapour density	no date available
Odor	Earthy, nut-like, raw potato, musty

#### 10. STABILITY AND REACTIVITY:

#### **Chemical stability**

Stable under recommended storage conditions.

# Possibility of hazardous reactions

No data available

**Conditions to avoid** 

Heat, flames and sparks

#### Materials to avoid

Strong acids, strong oxidizing agents

# **Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

#### 11. TOXICOLOGICAL INFORMATION:

# **Acute toxicity**

Oral LD50 - rat- 1,020 mg/kg

Inhalation LC50 - no data available

**Dermal LD50** - no data available

# Skin corrosion/irritation

No data available

# Serious eye damage/eye irritation

No data available

# Respiratory or skin sensitization

No data available

# Germ cell mutagenicity

Genotoxicity in vitro- Hamster- Ovary Cytogenetic analysis

# Carcinogenicity

#### IARC:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### **ACGIH:**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

#### NTP:

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

#### **OSHA:**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

# **Reproductive toxicity**

No data available

# Specific target organ toxicity - single exposure (Globally Harmonized System)

Inhalation- May cause respiratory irritation

# Specific target organ toxicity - repeated exposure (Globally Harmonized System)

No data available

#### **Aspiration hazard**

No data available

# **Potential health effects**

#### Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

# Ingestion

Harmful if swallowed.

#### Skin

Harmful if absorbed through skin May cause skin irritation.

#### **Eyes**

Causes eye irritation.

# Signs and Symptoms of Exposure

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

#### **Additional Information**

RTECS: UQ2800000

#### 12. ECOLOGICAL INFORMATION:

# **Toxicity**

No data available

# Persistence and degradability

No data available

# **Bioaccumulative potential**

No data available

## Mobility in soil

No data available

#### PBT and vPvB assessment

No data available

#### Other adverse effects

No data available

#### 13. DISPOSAL RECOMMENDATIONS:

## **Product**

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

# **Contaminated packaging**

Dispose of as unused product

# 14. TRANSPORTATION INFORMATION:

# DOT (US)

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **IATA**

Not dangerous goods

#### **15. REGULATORY INFORMATION:**

#### **OSHA Hazards**

Combustible liquid, Harmful by ingestion, irritant

### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

# **SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title Ill, Section 313.

# SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard

# **Massachusetts Right to Know Components**

No components are subject to the Massachusetts Right to Know Act.

# Pennsylvania Right to Know Components

2,5-Dimethylpyrazine CAS-No.: 123-32-0

# **New Jersey Right to Know Components**

2,5-Dimethylpyrazine CAS-No.: 123-32-0

# California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

# **16. OTHER INFORMATION:**

The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the SDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.

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