

## SAFETY DATA SHEET

#### 1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT CODE

H0036

**PRODUCT NAME** 

SUPPLIER

Shanghai M & U International Trade Co., Ltd. Rm 1717, No 598 North NuJiang Road 200333 Shanghai, China +86-21-32515501 32515502 sales@mu-intel.com

2-ACETYL-3-METHYLPYRAZINE

#### FOR EMERGENCIES CALL CHEMTREC:

800-424-9300 (24-HOURS)

#### 2. HAZARD IDENTIFICATION:

#### Classification of the substance or mixture



GHS07

Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.
STOT SE 3	H335 May cause respiratory irritation.
Flam. Liq. 4	H227 Combustible liquid.

#### Label elements

Harmful in contact with skin or if inhaled.

#### **GHS** label elements

Pictograms on label shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible. The substance is classified and labeled according to the Globally Harmonized System (GHS).

#### Hazard pictograms



Signal word

## Warning

#### **Hazard statements**

H227	Combustible liquid.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

## **Precautionary statements**

P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302+P352	IF ON SKIN: Wash with plenty of soap.
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 on this label).
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 in accordance with
	local/regional/national/international regulations.

## Classification system: NFPA ratings (scale 0 - 4)



 $\begin{aligned} \text{(scale 0 - 4)} \\ \text{Health} &= 1 \\ \text{Fire} &= 2 \\ \text{Reactivity} &= 0 \end{aligned}$ 

## HMIS-ratings (scale 0 - 4)



#### Other hazards

# **Results of PBT and vPvB assessment PBT:**

Not applicable.

#### vPvB:

Not applicable.

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

Chemical characterization: Substances CAS No.: 23787-80-6 Description: 2-ACETYL-3-METHYLPYRAZINE Identification number(s) EC number: 245-889-8

#### Hazardous components

Component	Classification	Concentration
1-(3-Methylpyrazinyl)ethan-1-one		
	Flam. Liq.4;skin irritant;eye irrit. 2A; STOT SE3; H227, H315, H319,H335	<=100%

#### 4. FIRST-AID GUIDE:

#### **Description of first aid measures After inhalation:**

Move person into fresh air, in case of unconsciousness place patient stably in side position for transportation or give artificial respirations. Consult a physician.

#### After skin contact:

Immediately wash with water and soap and rinse thoroughly.

#### After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

#### After swallowing:

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

#### **Information for doctor:**

#### Most important symptoms and effects, both acute and delayed

The mot important known symptoms and effects are described in the labelling and/or in section 11.

#### Indication of any immediate medical attention and special treatment needed

No further relevant information available.

#### 5. FIRE-FIGHTING GUIDE:

## Extinguishing media

#### Suitable extinguishing agents:

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water

#### Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx)

## Advice for firefighters

Protective equipment:

Wear self-contained breathing apparatus for firefighting, if necessary.

#### **Additional information**

Cool endangered receptacles with water spray. Collect contaminated firefighting water separately. It must not enter the sewage system.

#### 6. ACCIDENTAL RELEASE GUIDE:

#### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, 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. For personal protection see section 8.

#### **Environmental precautions:**

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

#### Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

#### **Reference to other sections**

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

#### 7. HANDLING AND STORAGE:

Handling: Precautions for safe handling Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Ensure good ventilation/exhaustion at the workplace. Keep away from sources of ignition.

#### Information about protection against explosions and fires:

No special measures required.

## Conditions for safe storage, including any incompatibilities Storage:

**Requirements to be met by storerooms and receptacles:** No special requirements.

#### **Information about storage in one common storage facility:** Not required.

#### **Further information about storage conditions:**

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. Recommended storage temperature 2 - 8 °C Air and light sensitive.

## Specific end use(s)

No further relevant information available.

#### 8. EXPOSURE AND PERSONAL PROTECTION:

#### Additional information about design of technical systems:

No further data; see item 7.

#### **Control parameters**

**Components with limit values that require monitoring at the workplace:** Contains no substances with occupational exposure limit values.

#### Additional information:

The lists that were valid during the creation were used as a basis.

#### **Exposure controls**

**Personal protective equipment:** 

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

#### **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

#### **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material should be based on consideration of the penetration times, rates of diffusion and the degradation

#### **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### **Penetration time of glove material**

The exact break through time has to be determined by the manufacturer of the protective gloves and has to be observed.

#### **Eye protection:**



Tightly sealed goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Information on basic physical and chemical properties

operties
Liquid
Colorless
Not determined.
Not determined.
Not determined.
Undetermined.
90°C (194°F)
80 °C (176 °F)
Not applicable.
Not determined.
Not determined.
Not determined.
Not determined.
Not determined.
Not determined.

Density at 20 °C (68 °F):	1.114 g/cm <sup>3</sup>
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	200 Balance
Dynamic:	Not determined.
Kinematic:	Not determined.
Organic solvents:	0.0 %
Other information	No further relevant information available.

#### **10. STABILITY AND REACTIVITY:**

**Reactivity Chemical stability** Stable under recommended storage conditions.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** Air sensitive. Heat, flames and sparks.

#### **Incompatible materials:**

No further relevant information available.

#### Hazardous decomposition products:

No dangerous decomposition products known. 11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects Acute toxicity: Primary irritant effect: On the skin: Irritant to skin and mucous membranes.

**On the eye:** Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information: Carcinogenic categories IARC (International Agency for Research on Cancer) Substance is not listed.

**NTP (National Toxicology Program)** Substance is not listed.

**OSHA-Ca (Occupational Safety & Health Administration)** Substance is not listed.

#### **12. ECOLOGICAL INFORMATION:**

**Toxicity Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

**Behavior in environmental systems: Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

#### Additional ecological information: General notes: Generally not hazardous for water. Results of PBT and vPvB assessment PBT: Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

#### **13. DISPOSAL RECOMMENDATIONS:**

## Waste treatment methods Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.

#### **14. TRANSPORTATION INFORMATION:**

UN-Number DOT, ADR, IMDG, IATA	Not Regulated.
UN proper shipping name DOT ADR	Not Regulated
IMDG, IATA	Bran Bran
Transport hazard class(es)	Not Regulated
DOT, ADR, IMDG, IATA	Sec. Inc.
Class	and the second sec
Packing group	Not Regulated
DOT, ADR, IMDG, IATA	
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex	
II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	-

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

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances): Substance is not listed.

Section 313 (Specific toxic chemical listings):

Substance is not listed.

#### TSCA (Toxic Substances Control Act):

Substance is not listed.

#### Proposition 65

#### Chemicals known to cause cancer:

Substance is not listed. WARNING! This product contains a chemical known to the State of California to cause cancer: Acetaldehyde CAS-no. 75-07-0 **Chemicals known to cause reproductive toxicity for females:** Substance is not listed.

**Chemicals known to cause reproductive toxicity for males:** Substance is not listed.

**Chemicals known to cause developmental toxicity:** Substance is not listed.

**Carcinogenic categories EPA (Environmental Protection Agency)** Substance is not listed.

TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

#### **GHS** label elements

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#### Hazard pictograms

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GHS07

Signal word Warning

#### **Hazard statements**

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#### **Precautionary statements**

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	contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with
	local/regional/national/international regulations.

#### **Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

#### **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.

Prepared By: M&U International LLC

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