



Sincere Union Imp & Exp Co.,Ltd

Metals Kingdom Industry Limited

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Add: 1131,Hengtong Fortune Center, 709 Chaoyang North Street,
New Tech Development Zone,Baoding City,Hebei,P.R.China PC071000

Material Safety Data Sheet

Diacetone Acrylamide(DAAM)

1. Product Identification

Product Name : DAAM; Diacetone Acrylamide

Synonyms: N-(1,1-DIMETHYL-3-OXOBUTYL)ACRYLAMIDE

2-Propenamide,N-(1,1-dimethyl-3-oxobutyl)- n-(1,1-dimethyl-3-oxobutyl)-2-propenamid

N-(1,1-Dimethyl-3-oxobutyl)-2-propenamide

n-(1,1-dimethyl-3-oxobutyl)-acrylamid

N-(2-(2-Methyl-4-oxopentyl))acrylamide

n-(2-(2-methyl-4-oxopentyl)acrylamide

n,n-bis(2-oxopropyl)-2-propenamid

CAS: 2873-97-4

MF: C9H15NO2

MW: 169.22

EINECS: 220-713-2

Appearance: white to yellow crystals.Hygroscopic (absorbs moisture from the air).

Manufacturer: Metals Kingdom Industry Limited

Office Address: 1131,Hengtong Fortune Center, 709 Chaoyang North Street

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2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Diacetone Acrylamide	2873-97-4	99%



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3. Hazards Identification

Hygroscopic (absorbs moisture from the air).

Target Organs: | None.

Potential Health Effects Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.

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

Chronic: Not available.

4. First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: | Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: | Treat symptomatically and supportively.

5. Fire Fighting Measures

General Information: | As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: | Use water spray, dry chemical, carbon dioxide, or chemical foam.

Flash Point: > 110 deg C (> 230.00 deg F)

Autoignition Temperature: Not available.

Explosion Limits, Lower: | Not available.

Upper: Not available.

NFPA Rating: Not published.

6. Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in



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Section 8.

Spills: Vacuum or sweep up material and place into a suitable disposal container.

7. Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage: Store in a cool, dry place. Store in a tightly closed container.

8. Exposure Controls/Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

-ACGIH Threshold Limit Value (TLV):

9. Physical and Chemical Properties

Appearance: White to light yellow powder or flake crystals

Specific Gravity(60 deg C): 0.998

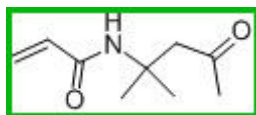
Melting Point: 54-56 °C(lit.)

Boiling Point(8 mmHg): 120 deg C

Flash Point(open cup): 126 deg C

Water Solubility (25 deg C): soluble

Sensitive: Hygroscopic



Molecular Structure:

10. Stability and Reactivity

Chemical Stability: Not available.

Conditions to Avoid: Incompatible materials, exposure to moist air or water.

Incompatibilities with Other Materials: Strong oxidizing agents, strong bases.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide,

carbon dioxide.

Hazardous Polymerization: Has not been reported.



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11. Toxicological Information

RTECS#: **CAS#** 2873-97-4

LD50/LC50:

CAS# 2873-97-4: Oral, mouse: LD50 = 1303 mg/kg; Oral, rat: LD50 = 1770 mg/kg; Skin, rabbit: LD50 = >10 gm/kg;

Carcinogenicity: CAS# 2873-97-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Mutagenicity: No data available.

Neurotoxicity: No data available.

12. Ecological Information

Ecotoxicity: No data available. No information available.

Environmental: No information available.

Physical: No information available.

Other: Avoid entering into waters or underground water.

13. Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed. **RCRA U-Series:** None listed.

14. Transport Information

Not Regulated.

15. Regulatory Information

US FEDERAL TSCA

CAS# 2873-97-4 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.



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Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPO. **Section 313** No chemicals are reportable under Section 313. **Clean Air Act:**

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters. **Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA. **OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 2873-97-4 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives Hazard Symbols:

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases: WGK (Water Danger/Protection)

CAS# 2873-97-4: No information available.

China - DSL/NDSL

CAS# 2873-97-4 is listed on Canada's NDSL List.

China - WHMIS

WHMIS: Not available. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

16. Other Information

Disclaimer:



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