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## Chemical Product and Company Identification



**VINATI ORGANICS LIMITED**  
 Plot No.A-20, MIDC Industrial Area, Lote Parashuram – 415722,  
 Tal.Khed, Dist. Ratnagiri Maharashtra, INDIA

**Product Name & Generic Chemical Name** Diacetone Acrylamide

**CAS Number** 2873-97-4

**EC No** 220-713-2

**Formula** C<sub>9</sub>H<sub>15</sub>NO<sub>2</sub>

**Transportation Emergency Phone No.** Lote Office (91-2356-273032) Mumbai Office (91-22-28510811) .

## SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS #	Percentage (%)
Diacetone Acrylamide	2873-97-4	98-100
Others		0-2

## SECTION 3 HAZARD IDENTIFICATION

## EMERGENCY OVERVIEW

Appearance: white to yellow crystals.

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.

## SECTION 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.

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

**SECTION 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)
Auto-ignition Temperature	:	Not available
Explosion Limits (Upper & Lower)	:	Not available
NFPA Rating	:	Not Published

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

General Information: Use proper personal protective equipment as indicated in Section 8.  
 Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid airborne dust.

**SECTION 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.

**SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION**

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

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs	OSHA Vacated PELs
Diacetone acrylamide	none listed	none listed	none listed	No OSHA Vacated PELs are listed for this chemical

**Personal Protective Equipment**

Eyes: Safety Glasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Crystals  
Appearance: white to yellow  
Odor: Not available.  
pH: Not available.  
Vapor Pressure: Not available.  
Vapor Density: Not available.  
Evaporation Rate: Not available.  
Viscosity: Not available.  
Boiling Point: 120 deg C @ 8 mmHg  
Freezing/Melting Point: 54 - 56 °C (129-132 °F)  
Decomposition Temperature: Not available.  
Solubility: Soluble.  
Specific Gravity/Density: Not available.  
Molecular Formula: C<sub>9</sub>H<sub>15</sub>NO<sub>2</sub>  
Molecular Weight: 169.23

## SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	:	Not Available
Incompatibility with other material	:	Strong oxidizing agents, strong bases.
Hazardous Combustion or Decomposition products	:	Nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous polymerization	:	Has not been reported.

## SECTION 11 TOXICOLOGY INFORMATION

RTECS#:  
CAS# 2873-97-4: AS3475000  
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.

<b>SECTION 12      ECOLOGICAL INFORMATION</b>
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Ecotoxicity: No data available. No information available.  
Environmental: No information available.  
Physical: No information available.  
Other: Avoid entering into waters or underground water.

<b>SECTION 13      DISPOSAL CONSIDERATION</b>
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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.

<b>SECTION 14      TRANSPORT INFORMATION</b>
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US DOT	Canada TDG
Not regulated as a hazardous material	No information available

<b>SECTION 15      REGULATORY INFORMATION</b>
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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.  
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 TPQ.  
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:

XN

Risk Phrases:

R 22 Harmful if swallowed.

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
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**NFPA**

Health Hazard: 0

Flammability : 1

Reactivity : 0

Specific Hazard: None

CA Proposition 65: None

*Disclaimer:* The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Vinati Organics Limited shall not be held liable for any damage resulting from handling or contact with the above product.