



# MATERIAL SAFETY DATA SHEET

## *KEMAMIDE® VO BEAD*

Version:	1
Date Of Issue:	02/29/2008
Date Printed:	09/3/2009

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** KEMAMIDE® VO BEAD

**Chemical name:** Oleamide

**Use of substance/preparation:** Chemical intermediate      Lubricant

**Supplier:** PMC Biogenix Inc.  
1231 Pope Street  
Memphis, TN 38108 USA

**Emergency telephone number:** CHEMTREC (24 hours) 800-424-9300

**Environmental, Health and Safety Department:** 901-320-5883

**Customer Service:** 800-641-2152

**Prepared by** Product Safety Department      Date of Issue: 02/29/2008

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### 2. HAZARDS IDENTIFICATION

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#### EMERGENCY OVERVIEW

USUAL HAZARDS ASSOCIATED WITH ORGANIC DUSTS. THE POSSIBILITY OF EXPLOSION EXISTS UNDER DUSTY CONDITIONS. AVOID DUSTING WHEN HANDLING AND AVOID ALL POSSIBLE SOURCES OF IGNITION (SPARK AND FLAME).

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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INGREDIENT	% BY WEIGHT
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9-Octadecenamide, (Z)  
CAS# 301-02-0



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### 4. FIRST AID MEASURES

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#### Swallowing

Obtain medical attention.

#### Inhalation

Remove to fresh air.

#### Skin contact

Wash skin with soap and water. For contact with hot molten material, cool burned skin area by immersing in cold water or apply cold water.

#### Eye contact

Flush eyes thoroughly with water for several minutes. Obtain medical attention if discomfort persists.

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### 5. FIRE-FIGHTING MEASURES

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#### Hazardous combustion products

Burning can produce the following combustion products:

Carbon monoxide.

Carbon dioxide.

Oxides of nitrogen.

#### Special fire fighting procedures

Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

#### Special protective equipment for firefighters

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

#### Extinguishing media

Suitable:                      Extinguish with:  
   - dry chemical  
   - water spray  
   - CO2  
   - foam

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### 6. ACCIDENTAL RELEASE MEASURES

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#### Personal precautions

Avoid dust formation., In case of occurrence of dust respiratory protective equipment required.

#### Environmental precautions

This product is insoluble in water and will float on the surface., Prevent from entering sewer system or surface water.

#### Methods for cleaning up

Avoid dispersion of dust.

Eliminate sources of ignition.

Sweep up and collect in a suitable container for disposal.

Sweep up using non-sparking equipment.

Observe government regulations.



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### 7. HANDLING AND STORAGE

#### HANDLING

##### Handling precautions

Avoid breathing dust., Avoid dispersion of dust to reduce fire and explosion potential., Keep container tightly closed.

#### STORAGE

##### Storage requirements

Store at ambient temperature., Repair all broken bags immediately.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE LIMIT VALUES

<u>Component</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Particulates not otherwise regulated	TWA, OSHA	15.0 mg/m3	Total dust
	TWA, OSHA	5.0 mg/m3	Respirable fraction
	TWA - ACGIH	10.0 mg/m3	Total inhalable dust
	TWA - ACGIH	3.0 mg/m3	Respirable fraction

#### PERSONAL PROTECTION

##### Respiratory protection

Use NIOSH/MSMA certified dust mask and/or respirator where appropriate.

##### Hand protection / protective gloves

Neoprene

##### Eye protection

Monogoggles

##### Skin protection

Rubber or plastic apron

#### ENGINEERING CONTROLS

##### Ventilation

Adequate ventilation to keep dust level below TLV.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### APPEARANCE

<b>Physical state</b>	Powder
<b>Color</b>	Off-white
<b>Odor</b>	Slight fatty



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### OTHER PROPERTIES

<b>Boiling point</b>	> 260 °C > 500 °F
<b>Melting point</b>	60 - 70 °C 140 - 158 °F
<b>Density</b>	< 1.0 g/cm <sup>3</sup> at 25 °C
<b>Vapor pressure</b>	
<b>Solubility in water</b>	Insoluble
<b>Flash point</b>	Not applicable
<b>Percent volatiles</b>	0 %(m)

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### 10. STABILITY AND REACTIVITY

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**Stability:** Stable.

**Stability - Conditions to avoid:**  
Stable under normal conditions.

**Incompatible materials:**  
Strong oxidizing agents.

**Hazardous combustion products:**  
Burning can produce the following combustion products:  
Carbon monoxide.  
Carbon dioxide.  
Oxides of nitrogen.

**Hazardous polymerization:** Will not occur.

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### 11. TOXICOLOGICAL INFORMATION

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**GENERAL**  
No information available.  
**SWALLOWING**  
Acute effects  
Low acute toxicity.

**SKIN ABSORPTION**  
Acute effects  
Low acute toxicity.

**INHALATION**  
Acute effects  
Dust may cause irritation of the respiratory tract.



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### SKIN CONTACT

Acute effects  
May cause slight irritation.

### EYE CONTACT

Acute effects  
May cause slight irritation.

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## 12. ECOLOGICAL INFORMATION

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Not expected to be acutely toxic to aquatic organisms.

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## 13. DISPOSAL CONSIDERATIONS

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**General:** It is our opinion this product is not a RCRA hazardous waste. It is the generator's responsibility to make their own determination as to the RCRA status of waste they generate. We have not performed a Toxicity Characteristic Leachate Procedure (TCLP) on this product., Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

### Non-cleaned packages

Subject completely emptied paper bags to paper recycling.

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## 14. TRANSPORT INFORMATION

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### DOT Classification

This product is not regulated by DOT.

### IMDG Classification

This product is not regulated by IMDG.

### ICAO Classification

This product is not regulated by ICAO.

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## 15. REGULATORY INFORMATION

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**Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RO's) in 40CFR302.4.**

**Components present in this product at a level which could require reporting under the statute are:**

\*\*\*\* NONE \*\*\*\*

**Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RO's) in 40CFR355 (used for SARA 302 and 304).**



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**Components present in this product at a level which could require reporting under the statute are:**

None.

**Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.**

**Components present in this product at a level which could require reporting under the statute are:**

None.

**EPA Hazard Categories (SARA 311, 312):** None

### **CHEMICAL INVENTORY**

- Canada:** This product is on the DSL.
- Europe:** The ingredients of this product are on the EINECS inventory.
- United States:** The ingredients of this product are on the TSCA inventory.
- Australia:** This product is on the AICS inventory.
- China:** This product is on the IECSC Inventory.
- Japan:** The ingredients of this product are on the ENCS inventory.
- Korea:** The ingredients of this product are on the ECL.
- Philippines:** The ingredients of this product are on the PICCS.

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## 16. OTHER INFORMATION

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### HMIS RATING

<b>Health: 1</b>	<b>Flammability: 1</b>	<b>Reactivity: 0</b>	<b>PPI:</b>
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STP	Standard temperature and pressure
W/W Weight/Weight	
0 (HMIS)	
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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