



MATERIAL SAFETY DATA SHEET

KEMAMIDE® B BEAD

Version:	1
Date Of Issue:	02/29/2008
Date Printed:	9/3/2009

1. Product and Company identification

Product name : KEMAMIDE® B BEAD

Chemical name: Behenamide Fatty Amide Mixture

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, 703-527-3887

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

Customer Service: 800-641-2152

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

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

NORMAL PRECAUTIONS COMMON TO SAFE MANUFACTURING PRACTICE SHOULD BE FOLLOWED IN HANDLING AND STORAGE.
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).
MOLTEN PRODUCT MAY CAUSE THERMAL BURNS.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
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Docosanamide
CAS# 3061-75-4



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4. FIRST AID MEASURES

Swallowing

No emergency care anticipated. WHEN MOLTEN ONLY (molten product can cause thermal burns) - Obtain medical attention immediately.

Inhalation

Remove to fresh air.

Skin contact

Wash skin thoroughly with soap and water for at least 15 minutes. If redness or irritation occurs, seek medical attention. WHEN MOLTEN ONLY (molten product can cause thermal burns) - For contact with hot molten material, cool burned skin area by immersing in cold water or apply cold water.

Eye contact

Immediately flush eyes with water and continue washing for at least 15 minutes. If redness or irritation occurs, seek medical attention. WHEN MOLTEN ONLY (molten product can cause thermal burns) - Obtain medical attention immediately. Immediately flush eyes with water and continue washing for at least 15 minutes. If redness or irritation occurs, seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: 419 °F 215 °C

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
- dry powder (ABC-powder)

Unsuitable: High volume water jet.

Unusual fire and explosion hazards

In case of a fire aside from the major combustion products carbon dioxide and carbon monoxide other harmful gases and vapors may be formed., Oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

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., Disposal: see section 13



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Methods for cleaning up

Avoid dust formation.
 Avoid dispersion of dust.
 Sweep up and collect in a suitable container for disposal.
 Sweep up using non-sparking equipment.
 Eliminate sources of ignition.
 Dispose of waste material in compliance with all federal, state, and local regulations.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Keep container tightly closed., Avoid dispersion of dust in air., Do not get in eyes, on skin, on clothing., Use only in well ventilated areas., Do not breathe hot vapors.

STORAGE

Storage requirements

Normal precautions common to good safety practice should be followed in storage., 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

Dust respirator, if dusting conditions exist.

Hand protection / protective gloves

Neoprene, Rubber, Heat protective impervious gloves when handling molten product.

Eye protection

Safety glasses with side shields., Safety goggles., Personal protectives: WHEN MOLTEN ONLY., Splash-proof goggles, Full face shield.

Skin protection

Rubber or plastic apron, Use heat protective equipment (such as gloves, long sleeves, and aprons) when handling molten material.

ENGINEERING CONTROLS

Ventilation

Use local ventilation or engineering controls as needed to maintain personnel exposure below the exposure limits.



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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Solid
Color	Off-white
Odor	Slight fatty

OTHER PROPERTIES

Boiling point	> 600 °F
Melting point	208 - 226 °F
Vapor pressure	
Solubility in water	Insoluble
Flash point	419 °F 215 °C Method: Pensky-Martens closed cup ASTM D 93
Percent volatiles	0 %(m)

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Stability - Conditions to avoid:
None known.

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.

11. TOXICOLOGICAL INFORMATION

SWALLOWING
Acute effects
Low acute toxicity.

Test results
Acute toxicity: LD50 Rats (Males)
Result: > 10,000 mg/kg



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SKIN ABSORPTION

Acute effects
Low acute toxicity.

INHALATION

Acute effects
Dust may cause irritation of the respiratory tract.

SKIN CONTACT

Acute effects
May cause slight irritation.

Test results

Skin irritation:

Species: Rabbit
Result: Very slight erythema
Classification: Not irritant
Remark: 0,5 ml; occlusive

EYE CONTACT

Acute effects
May cause slight irritation.

12. ECOLOGICAL INFORMATION

Not expected to be acutely toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

DOT Classification

This product is not regulated by DOT.

IMDG Classification

This product is not regulated by IMDG.



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ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

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 (TPO's) and release reporting based on Reportable Quantities (RO's) in 40CFR355 (used for SARA 302 and 304).

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: This product is 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: This product is not on the ENCS inventory.
- Korea: This product is listed on the Existing Chemicals List (ECL).
- Philippines: This product is on the PICCS.

16. OTHER INFORMATION

HMIS RATING

Health: 1	Flammability: 1	Reactivity: 0	PPI:
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STP	Standard temperature and pressure
W/W	Weight/Weight
1 (HMIS)	0 (HMIS) Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard



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4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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