

KEMAMIDE® E

Date Issued:	02/01/2013
MSDS No.:	1002004

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION	Kemamide® E; Kemamide® E Ultra; Kemamide® E Export; Kemamide® EZ; Kemamide® E-EQ; Kemamide® E-LO; Kemamide® EN; Kemamide® E SN; Kemamide® E STK; Kemamide® E-YPT; Kemamide® E-60
PHYSICAL FORMS:	Bead, Molten, Pellet, Powder;
CHEMICAL NAME:	Erucamide
GENERAL USE:	Release agent, Chemical intermediate
MANUFACTURE:	PMC Biogenix, Inc. 1231 Pope Street Memphis, TN 38108 USA
SERVICE CONTACT NUMBER:	800-641-2152
EMERGENCY CONTACT:	Environmental Health and Safety Department
EMERGENCY PHONE:	901-320-5820
24 HR. EMERGENCY TELEPHONE NUMBER:	CHEMTREC (24 hours) 800-424-9300

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Usual hazards associated with organic dusts. The possibility of explosions exists under dusty conditions. Avoid dusting when handling and avoid all possible sources of ignition (Spark and Flame). Molten product may cause thermal burns.

Potential Acute Health Effects

Eye:	May cause eye irritation; Molten product may cause thermal burns
Skin:	May cause mild skin irritation; Molten product may cause thermal burns
Ingestion:	Large oral doses may cause irritation to the gastrointestinal tract.
Inhalation:	Excessive inhalation of dust or heated vapors may cause irritation to the respiratory tract.
Chronic:	No data available

GHS Label elements, including precautionary statements

Pictogram	None
Signal word	None
Hazard statement(s)	None

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling
P280	Wear protective gloves/eye protection/face protection
P302 + P352	IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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INGREDIENT(S)	CAS	EINEC No.	% BY WEIGHT
13-Docosenamide, (Z)-	112-84-5	204-009-2	100

No Hazardous Ingredient

4. FIRST AID MEASURES

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

5. FIRE-FIGHTING MEASURES

Flash point:	220 °C (428°F)
Extinguishing Media	Dry chemical, water spray, CO2, foam, dry powder (ABC-powder)
Fire Fighting Procedure:	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 fire fighting:	Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.
Hazardous combustion products:	Carbon monoxide; Carbon dioxide, Oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions	This product is insoluble in water and will float on the surface.,
Methods for cleaning up	Avoid dust formation. Avoid dispersion of dust. Sweep up and collect in a suitable container for disposal. Observe government regulations.

7. HANDLING AND STORAGE

Handling	Avoid breathing dust. Avoid dispersion of dust to reduce fire and explosion potential
Storage	Normal precautions common to good safety practice should be followed in storage. Store at ambient temperature. Repair all broken containers immediately.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Exposure limit values

Component	Type	Value	Remark
Particulate not otherwise regulated	TWA, ACGIH	10 mg/m ³	Total inhalable dust
	TWA-ACGIH	3.0 mg/m ³	Respirable fraction
	TWA, OSHA	5.0 mg/m ³	Respirable fraction
	TWA, OSHA	15.0 mg/m ³	Total dust

No other exposure limits have been established. Consult local authorities for acceptable provincial values

Engineering Measures	Use local ventilation or engineering controls as needed to maintain personnel exposure below the exposure limits
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Hygiene Measures	Handle in accordance with good industrial hygiene and safety practices.
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Personal Protective Equipment

Respiratory Protection	Dust respirator, if dusting conditions exist.
Hand Protection	Neoprene, Heat protective impervious gloves when handling molten product.
Eye Protection	Monogoggles. Personal protective, 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,.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Color	Off-White
Odor	Slight Faint
Boiling Point	>288°C (>550 °F)
Melting Point	75 °C (167°F) - 85°C (185 °F)
Density	~0.88 g/cm ³ at 25° C 0.815 g/cm ³ at 130°C
Vapor pressure	Negligible
Solubility in water	Insoluble
Autoignition temperature	Not available
Upper explosion limits	Not available
Lower explosion limits	Not available
Flash point	220 °C (428°F) Method: Pensky-Martens closed cup ASTM D 93
Percent volatiles	0%(m)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions to avoid	None Known
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Carbon monoxide; Carbon dioxide
Hazardous polymerization	Will not occur

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11. TOXICOLOGICAL INFORMATION

Acute effects

EYES:	May cause slight irritation.
SKIN CONTACT:	May cause slight irritation. LD ₅₀ Species: Rabbit Result: Slight erythema, slight edema Classification: Not irritant Remark 0,5 ml; occlusive
SKIN ABSORPTION:	Low acute toxicity
INHALATION :	Dust may cause irritation of the respiratory tract
SWALLOWING:	Low acute toxicity LD ₅₀ Rats (Males) Results: >10,000mg/kg
Dermal LD₅₀:	No data available
Oral LD₅₀:	No data available
Inhalation LC₅₀:	No data available

12. ECOLOGICAL INFORMATION

Ecotoxicological Information	No data available
Bioaccumulative Potential	Bioaccumulative unlikely.
Comments	Not expected to be acutely toxic to aquatic organisms.

13. DISPOSAL CONSIDERATION

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. TRANSPORTATION INFORMATION

DOT	This product is not regulated by DOT
Canada Transportation of Dangerous Goods	This product is not regulated by TDG
IMDG Classification	This product is not regulated by IMDG
ICAO Classification	This product is not regulated by ICAO

15. REGULATORY INFORMATION

UNITED STATES

SARA Title III (Superfund Amendments and Reauthorization Act)

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313 Reportable Ingredients: None

302/304 Emergency Planning

Emergency Plan: None

EPA Hazard Categories

SARA 311/312: None

CERCLA (Comprehensive Response, Compensation and Liability Act)

CERCLA RQ: None

TSCA (Toxic Substance Control Act)

TSCA Status: This product is on the TSCA inventory

New Jersey Worker and Community Right – To- Know Act (Labeling Requirements)

Chemical Name	CAS Number	New Jersey TS Number
13-Docosenamide, (Z)-	112-84-5	

California Proposition 65 Does not contain any contaminants or byproducts known by the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 Safe Drinking Water and Toxic Enforcement Act.

CANADA

WHMIS CLASSIFICATION: Not A WHMIS controlled product

CPR Compliance This Product has been classified with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR

Domestic Substance List (Inventory): This product is on the DSL

Chemical Inventory

Canada: This product is on the DSL.
Europe: This product is on the EINECS inventory.
United States: This product is on the TSCA inventory.
Australia: This product is on the AICS inventory.
China: This product is on the IECSC Inventory.
Japan: This product is on the ENCS inventory.
Korea: This product is listed on the Existing Chemicals List (ECL).
Taiwan This product is listed on the National Existing Chemical Substance Inventory (NECSI)
Philippines: This product is on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).

16. OTHER INFORMATION

Revision 3
Supersedes Date 04/01/2011
Approved By Safety Health & Environmental Department
Prepared By: Quality Assurance, Product Safety

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HMIS Rating

HEALTH:	1	FLAMMABILITY:	1	PHYSICAL HAZARD:	0	PERSONAL PROTECTION:	
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Manufacturer Disclaimer: The opinions expressed herein are those of qualified experts within PMC Biogenix Inc. We believe that the information contained herein is current as of the date of this safety data sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of PMC Biogenix Inc., it is the user's obligation to determine the conditions of safe use of the products.