

Product name: KEMAMIDE E ULTRA POWDER

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: KEMAMIDE E ULTRA POWDER**Chemical name:** Erucamide**Supplier:** Crompton Corporation
199 Benson Road
Middlebury, CT 06749, USA**Emergency telephone number:** CHEMTREC (24 hours) 800-424-9300Crompton Corporation Emergency Response (24 hours)
800-292-5898**For MSDS, Product Safety, or regulatory inquiries, call:** 866-430-2775**Customer Service:** 877-948-2660

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	CONCENTRATION
13-Docosenamide, (Z)-	112-84-5	

3. HAZARDS IDENTIFICATION

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).

4. FIRST AID MEASURES

Swallowing

Obtain medical attention.

Skin

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.

Inhalation

Remove to fresh air.

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Eye contact

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

5. FIRE-FIGHTING MEASURES

Flash point: 220 °C (428 °F)

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

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.

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.

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.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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.

EXPOSURE LIMITS

<u>Component</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Particulates not otherwise regulated	TWA, OSHA	15.0 mg/m ³	Total dust
	TWA, OSHA	5.0 mg/m ³	Respirable fraction
	TWA - ACGIH	10.0 mg/m ³	Total inhalable dust
	TWA - ACGIH	3.0 mg/m ³	Respirable fraction

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Powder
Color	Off-white
Odor	Slight fatty

OTHER PROPERTIES

Boiling point	> 287 °C (> 550 °F) at STP unless specified below.
Melting point	75 - 85 °C (167 - 185 °F) at STP unless specified below.
Density	~ 0.88 g/cm ³ at 25 °C 0.815 g/cm ³ at 130 °C
Vapor pressure	Negligible
Vapor density (air=1)	Non Volatile

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Solubility in water	Insoluble
Flash point	220 °C (428 °F) Method: Pensky-Martens closed cup ASTM D 93
Percent volatiles	0 %(m)

10. STABILITY AND REACTIVITY

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.

11. TOXICOLOGICAL INFORMATION

SWALLOWING**Acute effects**

Low acute toxicity.

Test results

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

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.

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Test results

Skin irritation: Species: Rabbit
Result: Slight erythema, slight edema
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.

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 (RQ'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 (RQ'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:

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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.

Pennsylvania Right-To-Know Hazardous Substance List--Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.

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

None.

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)**Chemical name****CAS#****New Jersey TS Number**

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112-84-5

EPA Hazard Categories (SARA 311, 312): None**CHEMICAL INVENTORY**Canada: This product is on the DSL.Europe: This product is on the EINECS inventory.
204-009-2United 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).Philippines: This product, or the components, is listed or exempt from listing on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).

16. OTHER INFORMATION

HMIS RATING

Health: 1	Flammability: 1	Reactivity: 0	PPI: -
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LEGEND

STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	Minimal hazard
1 (HMIS)	Slight hazard



MATERIAL SAFETY DATA SHEET

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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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The opinions expressed herein are those of qualified experts within Crompton Corporation. 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 Crompton Corporation, it is the user's obligation to determine the conditions of safe use of the products.