

Product name: KEMAMIDE® P-181

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: KEMAMIDE® P-181**Chemical name:** Oleyl palmitamide**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
Oleyl palmitamide	16260-09-6	

3. 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.

4. FIRST AID MEASURES

Swallowing

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

Skin

Wash skin thoroughly with soap and water for at least 15 minutes. If redness or irritation occurs, seek medical

Product name: KEMAMIDE® P-181

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.

Inhalation

Remove to fresh air.

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: 260 °C (500 °F)

NFPA CLASSIFICATION

Health: 1	Flammability: 1	Reactivity: 0	Special provisions: -
-----------	-----------------	---------------	-----------------------

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

Product name: KEMAMIDE® P-181

water. Disposal: see section 13

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

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.

EXPOSURE LIMITS

Product name: KEMAMIDE® P-181

<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	Solid
Color	Off-white
Odor	Slight fatty

OTHER PROPERTIES

Boiling point	> 260 °C (> 500 °F) at STP unless specified below.
Melting point	65 - 70 °C (149 - 158 °F) at STP unless specified below.
Density	< 1.0 g/cm ³
Vapor pressure	Negligible
Vapor density (air=1)	Non Volatile
Solubility in water	Insoluble
Flash point	260 °C (500 °F) 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.

Product name: KEMAMIDE® P-181

Oxides of nitrogen.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

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.

SKIN CONTACT

Acute effects

May cause slight irritation.

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.

Product name: KEMAMIDE® P-181

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:

**** 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.

EPA Hazard Categories (SARA 311, 312): None**CHEMICAL INVENTORY**Canada: This product is on the DSL.Europe: This product is on the EINECS inventory.
240-367-6United 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 is on the PICCS.



MATERIAL SAFETY DATA SHEET

Revision: 1.1

01/26/2004

Page: 7 of 7

Product name: KEMAMIDE® P-181

16. OTHER INFORMATION

HMIS RATING

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

LEGEND

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

Copyright 2004 Crompton Corporation

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.