



Safety Data Sheet (SDS)

Revision / Review Date: 4/1/15

1. Chemical Product and Company Identification

Product Name:	Kemamide OR
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
MSDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	None
CAS NO#:	301-02-0
Product Use:	Chemical intermediate.
OSHA Status	Not Hazardous

For emergency health, safety, and environmental information, calls 330-920-8023

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

Classification: OSHA Regulatory Status This chemical is not considered hazardous by the 2012 OSHA Hazard communication Standard (29 CFR 1910.1200).

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

Precautionary Statements: Get medical advice/ attention if you fee unwell.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms : Call a POSION CENTER or doctor/physician.

Ingestion: Rinse mouth. DO NOT induce vomiting. Drink 1 or 2 glasses of water. Get medical advice/ attention if you feel unwell.

Hazards not otherwise classified(HNOC): Dust can form an explosive mixture with air.

Other Information:

Unknown acute Toxicity 0% of the mixture consists of ingredient of unknown toxicity.

3. Composition / Information on Ingredients

Chemical Family:

Amide

Chemical Name

CAS No

Weight%

Trade Secret

9-Octadecenamide, (Z)

301-02-0

100

*

The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. First Aid Measures

Eye contact:

Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists get medical advice/attention.

Skin Contact:

Wash skin with soap and water. (Get medical attention immediately if symptoms occur.)

Inhalation:

Remove to fresh air. (Get medical attention immediately if symptoms occur.)

Ingestion:

Clean mouth with water and drink afterwards plenty of water. (Get medical attention immediately if symptoms occur.)

Most important symptoms and effects, both acute and delayed

Symptoms:

No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians:

Treat symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing Media:

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the Chemical:

Avoid creating dust. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Do not allow run off from fire-fighting to enter drains or water courses.

Special Fire Fighting Procedures:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<u>Hazardous Combustion Products:</u>	Carbon monoxide. Carbon dioxide(CO ₂), Nitrogen Oxides (NO _x).
<u>Explosion data:</u>	Sensitivity to Mechanical Impact & Static Discharge: None.

6. Accidental Release Measures

<u>Personal precautions:</u>	Ensure adequate ventilation, especially in confined areas. Avoid creating dust. Dust can form an explosive mixture with air.
<u>Environmental precautions:</u>	See Section 12 for additional ecological information. The product is insoluble and floats on water. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains.
<u>Methods and material for containment and Cleaning up:</u>	Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Avoid creating dust. Pick up and transfer to properly labeled containers.

7. Handling and Storage:

<u>Precautions to be taken in handling:</u>	Handle in accordance with good industrial hygiene and safety practice.
<u>Storage:</u>	Keep containers tightly closed in a dry, cool and well-ventilated place.
<u>Incompatible Materials:</u>	None known based on information supplied.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

Exposure limits are listed below if they exist.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	PMC OEL
9-Octadecenamide, (Z) 301-02-0	-	-	-	-
Dust DUST	TWA: 10 mg/m ³ Inhl TWA: 3 mg/m ³ Resp	TWA: 5 mg/m ³ Resp TWA: 15 mg/m ³ Total 29CFR1910.1000	-	-

<u>Respiratory Protection:</u>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<u>Skin and body protection:</u>	Wear protective gloves and protective clothing.

<u>Eye Protection:</u>	Wear safety glasses with side shields or goggles.
<u>Other Precautions:</u>	Avoid contact with skin, eyes or clothing. Avoid breathing (dust, vapor, mist, gas). Wash face, hands and any exposed skin thoroughly after handling. Use personal protective equipment as required.
<u>Decontamination Facilities:</u>	Eye bath, washing facilities (sinks / showers) Ventilation system

9. Physical and Chemical Properties

Information on basic physical and chemical properties

<u>Physical state:</u>	Solid
<u>Appearance:</u>	pellets, molten
<u>Odor:</u>	Slight characteristic
<u>Color:</u>	White to beige
<u>Odor threshold :</u>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<u>pH</u>	No information available	
<u>Melting point/freezing point</u>	68-78 °C / 154- 172 °F	
<u>Boiling point / boiling range</u>	260 °C / 550 °F	
<u>Flash point</u>	205 °C / 401 °F	Pensky-Marten closed cup ASTM D 93
<u>Evaporation rate</u>	No information available	
<u>Flammability (solid, gas)</u>	No information available	
<u>Flammability Limit in Air</u>		
<u>Upper flammability limit:</u>	No information available	
<u>Lower flammability limit:</u>	No information available	
<u>Vapor pressure</u>	No information available	negligible
<u>Vapor density</u>	No information available	
<u>Specific Gravity</u>	No information available	
<u>Water solubility</u>	Insoluble in water	
<u>Solubility in other solvents</u>	No information available	
<u>Partition coefficient</u>	No information available	
<u>Auto ignition temperature</u>	No information available	
<u>Decomposition temperature</u>	No information available	
<u>Kinematic viscosity</u>	No information available	
<u>Dynamic viscosity</u>	No information available	
<u>Explosive properties</u>	No information available	
<u>Oxidizing properties</u>	No information available	

Other Information

<u>Softening point</u>	No information available
<u>Molecular weight</u>	No information available
<u>VOC Content (%)</u>	0
<u>Density</u>	<1.0 g/cm ³ @ 25 °C
<u>Bulk density</u>	No information available

10. Stability and Reactivity

<u>Stability:</u>	Stable under recommended storage conditions.
<u>Incompatibility (Materials to Avoid):</u>	Strong oxidizing agents.
<u>Conditions to Avoid:</u>	Extremes of temperature and direct sunlight.
<u>Hazardous Decomposition Products:</u>	Carbon monoxide, Carbon dioxide (CO ₂), Nitrogen oxides (NO _x)
<u>Possibility of Hazardous Reactions:</u>	None under normal processing
<u>Hazardous polymerization:</u>	Hazardous polymerization does not occur.

11. Toxicological Information

Information on likely routes of exposure

<u>Product Information:</u>	Product does not present an acute toxicity hazard based on known or supplied information
<u>Inhalation:</u>	Inhalation of dust in high concentration may cause irritation of respiratory system. No know effect based on information supplied.
<u>Eye contact:</u>	Dust contact with the eyes can lead to mechanical irritation. Molten product can cause thermal burns.
<u>Skin Contact:</u>	Molten product can cause thermal burns.
<u>Ingestion:</u>	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
9-Octadecenamide, (Z)	>10,000 mg/kg (Rats, male)		

Information on toxicological effects

<u>Symptoms:</u>	No information available.
<u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u>	
<u>Skin Corrosion/irritation:</u>	Non- irritating to the skin. Slight erythema edema : 0.5 ml; occlusive (rabbit)
<u>Sensitization:</u>	No information available.
<u>Germ cell mutagenicity:</u>	No information available.
<u>Carcinogenicity:</u>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<u>Reproductive toxicity:</u>	No information available.
<u>STOT - single exposure:</u>	No information available
<u>STOT - repeated exposure</u>	No information available.
<u>Aspiration hazard:</u>	No information available.
<u>Numerical measures of toxicity - Product Information Unknown Acute Toxicity:</u>	101% of the mixture consists of ingredient(s) of unknown toxicity.

12. Ecological Information

Ecotoxicity : 0% of the mixture consists of components of unknown hazards to aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
9-Octadecenamide, (Z) 301-02-0		1000: 96 h Cyprinodon variegatus mg/L LC50 semi-static		1000: 96 h Mysidopsis bahia mg/L LC50

Persistence and degradability: No information available.

Bioaccumulation: Not likely.

Other adverse effects: No information available.

13. Disposal Considerations

Waste treatment methods

Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging: Do not reuse container. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

D.O.T. Shipping Name Not regulated

Air - ICAO (international Civil Aviation Organization) Not regulated

Sea - IMDG (International Maritime Dangerous Goods) Not regulated

15. Regulatory Information

All of the components in the product are on the following Inventory lists
The classification and labeling information in this Safety Data Sheet should be viewed as provisional.

International Inventories

EINECS/ELINCS Complies

TSCA Complies

AICS Complies

DSL/NDSL Complies

ENCS Complies

KECL Complies

PICCS Complies

IECSC Complies

NZIoC Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances
 NZIoC - New Zealand Inventory of Chemicals

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulation , Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

Any Substance regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) is listed below, if it exists.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. Other Information

<u>NFPA</u>	Health hazards 1	Flammability 1	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 1	Flammability 1	Physical hazards 0	Personal protection X

The above information has been compiled from what we believe to be credible sources. To our knowledge the ORinformation is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.