

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

PRODUCT NAME	ALMAGATE
COMPANY NAME	Catz Chemicals
COMPANY ADDRESS	306, Aangi arcade, Opp. Jawahar Medan, Atabhai Chowk, Bhavnagar – 364002, Dist. Bhavnagar, Gujarat, INDIA. C: +91 989 841 9831 <a href="mailto:info@catzchemical.com">info@catzchemical.com</a>

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients :	Almagate 100%
Hazardous Components:	None
CAS #:	66827-12-1

### 3. HAZARDS IDENTIFICATION

ROUTES OF ENTRY	
Eye Contact	It does not imply any risk when handled at the usual conditions
Skin Contact	It does not imply any risk when handled at the usual conditions
Ingestion	It does not imply any risk when handled at the usual conditions
Inhalation	It does not imply any risk when handled at the usual conditions

#### 4. FIRST AID MEASURES

<b>Eyes</b>	In case of eye contact, immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention if pain, blinking, tears or redness persists.
<b>Skin</b>	Wash off in flowing water or shower. Get medical attention if symptoms occur.
<b>Ingestion</b>	If swallowed seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.

#### 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	<ul style="list-style-type: none"><li>• Water Spray</li><li>• foam</li><li>• Dry Chemical</li><li>• Carbon Dioxide</li></ul>
<b>Special Firefighting Procedures</b>	Wear self-contained breathing apparatus for firefighting if necessary.
<b>Unusual Fire &amp; Explosion Hazards</b>	N/A

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
<b>Environmental Precautions</b>	Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.
<b>Methods for Cleaning Up</b>	Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

## 7. HANDLING AND STORAGE

<b>Handling</b> Safe Handling	Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.
<b>Storage</b> Requirements for Storage Areas and Containers	Keep containers closed until used. To maintain product quality, do not store in heat or direct sunlight.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eye</b>	Safety glasses should be worn. Eyewash facility should be nearby.
<b>Skin/Body</b>	No precautions other than clean body-covering clothing should be needed.
<b>Respiratory</b>	If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	White or almost white fine crystalline powder
<b>Color</b>	White
<b>Odor</b>	Odorless
<b>Boiling point or initial boiling point and boiling range</b>	333.6°C at 760 mmHg
<b>Molecular Formula</b>	$\text{Al}_2\text{Mg}_6(\text{OH})_{14}(\text{CO}_3)_2 \cdot 4\text{H}_2\text{O}$
<b>Molecular Weight</b>	630
<b>Exact Mass</b>	313.96200
<b>PSA</b>	195.60000
<b>Water Solubility</b>	Practically insoluble in water, in ethanol (96%) and in methylene chloride. It dissolves with effervescence and heating in dilute mineral acids.
<b>pH</b>	9.1 – 9.7 (4% Aqueous solution)

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	This product is stable.
<b>Hazardous reactions:</b>	None under normal processing.
<b>Hazardous Decomposition or Byproducts:</b>	Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Magnesium oxides
<b>Conditions to Avoid:</b>	Avoid dust formation. Incompatible products. Excess heat.

#### 11. TOXICOLOGICAL INFORMATION

<b>Routes of Entry</b>	Inhalation. Ingestion
<b>Toxicity to Animals</b>	Not Available
<b>Chronic Effects on Humans</b>	Not Available
<b>Other Toxic Effects on Humans</b>	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

#### 12. ECOLOGICAL INFORMATION

<b>Eco toxicity</b>	Not Available
<b>Persistence/degradability and mobility</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise

#### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations
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#### 14. TRANSPORT INFORMATION

<b>DOT Classification</b>	Not a DOT controlled material (United States).
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#### 15. REGULATORY INFORMATION

<b>Danger Symbol</b>	not required
<b>Risk Phrases</b>	No risk
<b>Safety Phrases</b>	Keep away from water

## 16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

This product is not considered hazardous.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however; all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

