

# SAFETY DATA SHEET

## 1.0 IDENTIFICATION

- 1.1 **GHS product identifier:** N-6 Chipped Bulk Filler
- 1.2 **Other means of identification:** Tabular Alumina
- 1.3 **Recommended use of the chemical and restrictions on use:** N/A
- 1.4 **Supplier's details:** ALUCHEM INC  
1 LANDY LANE  
READING OH 45215 USA  
INFORMATION PHONE NUMBER: (248) 588-2270
- 1.5 **Emergency phone number:** (703) 527-3887(Call Collect)

## 2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of the substance or mixture:**  
Skin Corrosion/Irritation 2, Eye Damage/Irritation 2B, Specific Target Organ Toxicity, Single Exposure 3
- 2.2 **GHS label elements:**



**Signal Word:** Warning  
**Hazard Statement:** Causes skin irritation  
**Prevention:** Wash hands thoroughly after handling. Wear protective gloves.  
**Response:** If on skin: wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Signal Word:** Warning  
**Hazard Statement:** Causes eye irritation  
**Prevention:** Flush eyes thoroughly after eye contact.  
**Response:** If in eyes: 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.



**Signal Word:** Warning  
**Hazard Statement:** May cause respiratory irritation  
**Prevention:** Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.  
**Response:** If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.  
**Store:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.  
**Disposal:** Material may be disposed of at an industrial landfill, subject to local regulations and restrictions.

- 2.3 **Other hazards which do not result in classification:**
- 2.4 **Hazards Material Information System (United States):**

<b>Health</b>	<b>1</b>
<b>Flammability</b>	<b>0</b>
<b>Physical Hazard</b>	<b>0</b>

Hazard Codes: \*=Chronic Hazard 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard

## 3.0 COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 **Substances**
- 3.1.1 **Chemical Identity:** Aluminum Oxide (non-fibrous)
- 3.1.2 **Common Name:** Tabular Alumina
- 3.1.3 **CAS Number and other unique identifiers:** 1344-28-1
- 3.1.4 **Impurities and stabilizing additives:** N/A

## 4.0 FIRST-AID MEASURES

- 4.1 **Description of necessary first-aid measures:**
- Ingestion:** Do not induce vomiting. If swallowed, dilute by drinking large amounts of water. Consult a physician or other qualified medical personnel.
- Inhalation:** Remove to fresh air. Check for clear airway, breathing and presence of pulse. Provide cardiopulmonary

resuscitation for persons without pulse or respirations. Consult a physician or other qualified medical personnel.

**Eye Contact:** Flush eyes with ample amounts of water for at least 15 minutes. Consult a physician or other qualified medical personnel.

**Skin Contact:** Wash with soap and water for at least 15 minutes. Consult a physician or qualified medical personnel if the condition persists.

**4.2 Most Important symptoms/effects, acute and delayed:**

**Acute Health Hazards:** There are no known or anticipated health hazards associated with exposure to this product.

**Medical Conditions Generally Aggravated by Exposure:** Asthma, Chronic Lung Conditions or Diseases, Skin Disorders.

**Carcinogens Under OSHA, ACGIH, NTP, IARC:** None. See section 8-EXPOSURE CONTROLS/PERSONAL PROTECTION for exposure limits and recommended protective equipment. See section 11-TOXICOLOGICAL INFORMATION for any further information.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary:** N/A

**5.0 FIRE-FIGHTING MEASURES**

**5.1 Suitable extinguishing media:**

N/A

**5.2 Specific hazards arising from the chemical:**

Flash point is N/A.

**5.3 Special protective actions for fire-fighters:**

N/A

**6.0 ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:**

No Unusual Containment Requirements.

**6.2 Methods and materials for containment and clean up:**

Sweep material into suitable container. Avoid Dusting. This material may be safely landfilled.

**7.0 HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

No Special Handling Requirements.

**7.2 Conditions for safe storage, including any incompatibilities:**

Ensure good ventilation in all work areas. Avoid accumulation of dust.

**8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

Component	CAS No.	Percent	Exposure Limits	Source
Aluminum Oxide (non-fibrous)	1344-28-1	>99%	10 mg/m <sup>3</sup> TLV 15 mg/m <sup>3</sup> Total Dust PEL	ACGIH OSHA

**8.2 Appropriate engineering controls:**

Maintain good local and general ventilation to minimize dust accumulation.

**8.3 Individual protection measures, such as personal protective equipment:**

**Eye protection:** Use of safety glasses with full side shields is always recommended. Where air turbulence may be present, goggles are also recommended.

**Hand protection:** Wear suitable gloves and long sleeve shirts to avoid skin irritation or injury.

**Respiratory protection:** Use NIOSH approved respiratory protection in case of insufficient ventilation and where exposure guidelines may be exceeded.

**Protective clothing:** Wear suitable gloves and long sleeve shirts to avoid skin irritation or injury.

**Work and hygienic practices:** Wash hands and exposed skin after work shift and before using the toilet, smoking or eating.

**9.0 PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Appearance (physical state, color, etc.):** Irregular shaped crystals, White

**9.2 Odor:** None

**9.3 Odor threshold:** N/A

**9.4 pH:** 9.0

**9.5 Melting point/freezing point:** N/A

**9.6 Initial boiling point and boiling range:** N/A

**9.7 Flash Point:** N/A

- 9.8 **Evaporation rate:** N/A
- 9.9 **Flammability (solid, gas):** N/A
- 9.10 **Upper/lower flammability or explosive limits:** LFL-N/A; UFL-N/A
- 9.11 **Vapor pressure:** N/A
- 9.12 **Vapor Density:** N/A
- 9.13 **Relative density (specific gravity):** 3.6 – 3.9
- 9.14 **Solubility(ies):** Not Soluble
- 9.15 **Partition coefficient; n-octanol/water:** N/A
- 9.16 **Auto-ignition temperature:** N/A
- 9.17 **Decomposition temperature:** N/A
- 9.18 **Viscosity:** N/A

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## 10.0 STABILITY AND REACTIVITY

- 10.1 **Reactivity:** N/A
- 10.2 **Chemical stability:** Product is stable when used in accordance with specifications.
- 10.3 **Possibility of hazardous reactions:** Will not occur.
- 10.4 **Conditions to avoid:** N/A
- 10.5 **Incompatible materials:** Reacts with chlorine trifluoride or ethylene oxide.
- 10.6 **Hazardous decomposition products:** None noted.

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## 11.0 TOXICOLOGICAL INFORMATION

- 11.1 **Likely routes of exposure:** Inhalation, skin contact and eye contact
- 11.2 **Symptoms related to the physical, chemical and toxicological characteristics:**
  - Irritation:**
  - Skin:** Irritating to the skin.
  - Eyes:** Irritating to the eyes.
  - Inhalation:** Irritating to the lungs, respiratory tract and mucous membranes.
- 11.3 **Delayed and immediate effects and also chronic effects from short and long term exposure:**

This material contains no substances known or anticipated to cause Cancer, or reproductive hazards
- 11.4 **Numerical measures of toxicity:**

No information available.

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## 12.0 ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity:**

N/A
- 12.2 **Persistence and degradability:**

This is an inert material presenting no unusual hazard to the environment.
- 12.3 **Bioaccumulative potential:** N/A
- 12.4 **Mobility in soil:** N/A
- 12.5 **Other adverse effects:** N/A

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## 13.0 DISPOSAL CONSIDERATIONS

- 13.1 **Disposal methods:**

Collect in containers or covered dumpsters. If reuse or recycling is not possible, material may be disposed of at an industrial landfill, subject to local regulations and restrictions.

Uncleaned packaging: No unusual hazards are posed by packaging materials. Disposal must be made according to official regulations.

RCRA Status: If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristic nor is it federally (USA) regulated. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste.

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## 14.0 TRANSPORT INFORMATION

- 14.1 **UN number:** Not Regulated
- 14.2 **UN proper shipping name:** Ceramic Granules (Not Regulated)
- 14.3 **Transport hazard class(es):** Not Regulated
- 14.4 **Packing group, if applicable:** Not Regulated
- 14.5 **Environmental hazards:** N/A

**14.6 Transport in bulk:** N/A

**14.7 Special precautions for user:** N/A

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## **15.0 REGULATORY INFORMATION**

### **15.1 Safety, health and environmental regulations:**

**TOXIC SUBSTANCES CONTROL ACT (TSCA)-**

All Substances Listed

**OSHA Hazard Communication Standard (29CFR1910.1200) hazard class(es)**

Irritant

**EPA SARA Title III Section 312 (40CFR370) hazard class**

Immediate (acute)

**EPA SARA Title III Section 313 (40CFR372) toxic chemicals above "de minimis" level are**

None

**CALIFORNIA PROPOSITION 65:** known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986")

This material contains no materials known by the State of California to cause Cancer or reproductive harm.

### **CANADA REGULATIONS**

**DSL INVENTORY:** This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List.

**WHIMS HAZARD CLASSIFICATION:** None

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## **16.0 OTHER INFORMATION**

**16.1 Date of Preparation:** 08/29/2011

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To the best of our knowledge, the information contained herein is accurate. Final determination of the suitability of any material is the sole responsibility of the users. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.