



# Material Safety Data Sheet

## Atomized Spherical Aluminum Powder

### MSDS No. 353

Date Of Preparation: October 22, 2012

Revision: 0000

### Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Atomized Spherical Aluminum Powder

**General Use:** Mineral Filler

**Manufacturer:** Smooth-On Inc., 2000 St. John St., Easton PA 18042

Phone (610) 252-5800, FAX (610) 252-6200

**Emergency Contact:** Chem-Tel

Domestic 800-255-3924

International 813-248-0585

### Section 2- Hazards Identification

Europe



Xi: Irritant

HMIS	
H	1
F	1
R	1

**Information pertaining to particular dangers**

**R36/37/38:** Irritating to eyes, skin and respiratory tract.

**Classified according to Articles 6 & 7 of Directive 1999/45/EC**

### Section 3 - Composition / Information on Ingredients

Component	ACGIH TWA	OSHA PEL	Hazard Designation	Weight Percent (%)
Aluminum CAS Number: 7440-50-8 EINECS Number: 231-159-6	5 mg/m <sup>3</sup> Respirable	5 mg/m <sup>3</sup> Respirable	Xi	95-100

### Section 4 - First Aid Measures

**Inhalation:** Remove source(s) of contamination and move victim to fresh air.

**Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water; remove contaminated clothing and launder before reuse.

**Ingestion:** Do not induce vomiting unless instructed by a physician. Contact physician immediately

**After first aid, get appropriate in-plant, paramedic, or community medical support.**

## Section 5 - Fire-Fighting Measures

**Flash Point:** Not Applicable

**Flash Point Method:** Not Applicable

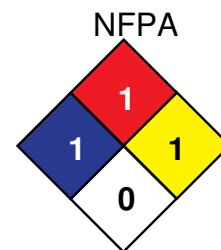
**Extinguishing Media:** Use gentle surface application of Class D extinguishing media or dry sand to cover and ring the burning material. If possible, isolate the burning material. Allow the fire to burn out. Do not disturb the material until completely cool.

**Unsuitable Extinguishing Media:** Do not use: Water, halogenated agents and ABC dry chemical agents.

**Unusual Fire or Explosion Hazards:**

- Dust or fines dispersed in the air can be explosive.
- Dust or fines in contact with water can generate flammable/explosive hydrogen gas.
- Dust or fines in contact with metal oxides can react with considerable heat generation and can be initiated by a weak ignition source.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure-demand or positive-pressure mode.



## Section 6 - Accidental Release Measures

**Personal Precautions:** Keep unnecessary personnel away. Ventilate closed spaces before entering.

**Methods for Cleaning up:** DO NOT USE WATER FOR SPILL CLEAN UP. Sweep up or gather material and place in appropriate container for disposal. Avoid dust formation. Cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain. DO NOT GET WATER on spilled material or inside containers.

**Containment Procedures:** Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).

## Section 7 - Handling and Storage

**Handling:** Do not handle or store near an open flame, heat or other sources of ignition. Avoid contact with skin and eyes. Avoid prolonged exposure. Do not breathe gas/fumes/vapor/spray.

**Storage:** Keep away from heat and sources of ignition. Store in cool dry area. Keep container tightly closed. Keep the container dry.

## Section 8 - Exposure Controls / Personal Protection

**Respiratory Protection:** Follow OSHA respirator regulations 29 CFR 1910.134 and European Standard EN 149; wear an MSHA/NIOSH or European Standard EN149 approved respirator.

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.



**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Physical and Chemical Properties

<p><b>Product Form:</b> Bulk Solid</p> <p><b>Appearance and Odor:</b> Silver-Grey color, odorless</p> <p><b>Specific Gravity:</b> 2.5 - 2.7</p> <p><b>Density:</b> 20.86 – 22.53 lbs./gal</p>	<p><b>Vapor Density (Air=1):</b> N/A</p> <p><b>Water Solubility:</b> Insoluble</p> <p><b>Boiling Point:</b> N/A</p> <p><b>Evaporation Rate:</b> N/A</p> <p><b>Vapor Pressure:</b> N/A</p>
---	---

## Section 10 - Stability and Reactivity

**Stability:** Risk of ignition. Stable at normal conditions.

**Hazardous Decomposition Products:** Reacts violently with water, liberating highly flammable gases.

**Conditions to Avoid:** Heat, flames, sparks, exposure to moisture and caustics. This product is incompatible with nitrates.

**Incompatibility:**

## Section 11- Toxicological Information

<p><b>Eye Effects:</b> Irritation</p> <p><b>Skin Effects:</b> Irritation</p>	<p><b>Carcinogenicity:</b> None Determined</p> <p><b>Mutagenicity:</b> None Determined</p> <p><b>Teratogenicity:</b> None Determined</p>
--	--

## Section 12 - Ecological Information

None Established

## Section 13 - Disposal Considerations

**Disposal:** This product, in its present state, when discarded or disposed of, is a hazardous waste according to Federal regulations (40 CFR 261.4(b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Material should be recycled if possible.

**Section 14 - Transport Information**

**DOT**  
Not Regulated

**IATA**  
Not Regulated

**IMDG**  
Not Regulated

**Section 15 - Regulatory Information****United States Regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**CERCLA/SARA - Section 313 - Emission Reporting**

<u>Component</u>	<u>CAS #</u>	<u>Wt. %</u>	<u>Data Value</u>
Aluminum	7429-90-5	99.65	1.0% de minimis concentration (dust or fume only)


**TSCA Inventory Status (40 CFR710):** All components of this formulation are listed in the TSCA Inventory.

**California Proposition 65:** This product does not intentionally contain any chemicals which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

**Canadian Regulations;**

WHMIS Identification: This is not a WHMIS controlled substance  
CDSL/NDL (Canadian Domestic Substance List/Non Domestic Substance List): **Listed on CDSL**

**Labeling according to EEC Directive**

Risk Phrases	Symbol(s) Required for EU Label	Safety Phrases
<b>R36/37/38:</b> Irritating to eyes, skin and respiratory tract.	 <b>Xi: Irritant</b>	<b>S7:</b> Keep container tightly closed. <b>S26:</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. <b>S33:</b> Take precautionary measures against static charges. <b>37/39:</b> Wear suitable protective clothing, gloves and eye and face protection.

**16 - Other Information**

**Disclaimer:** The information contained in this MSDS is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Smooth-On Inc., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1907/2006/EEC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European Union (EU/EEC) directive 1907/2006/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directives.