



# SAFETY DATA SHEET

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## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Aluminum Pellets**

PRODUCT NUMBER: 1003

CAS NUMBER: 7429-90-5

### MANUFACTURER:

Prochem, Inc.  
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Rockford, IL 61109

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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

**Warning**

### Hazard Statements

H316	Causes mild skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation

### Precautionary Phrases

P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**POTENTIAL HEALTH EFFECTS:** Inhalation (of dust or fume)

**EYE CONTACT:** The dust may cause slight to mild irritation of the eyes.

**SKIN CONTACT:** The dust may cause slight to mild irritation of the skin.

**INHALATION:** Hazard associated with inhalation of fine dust or fume. May be irritating to nasal cavity and respiratory tract.

**INGESTION:** No specific information is available on the physiological effects of ingestion.

**CHRONIC HEALTH EFFECTS:** No information available on the effects of long-term exposure.

**ACUTE HEALTH EFFECTS:** Dust may be irritating to skin, eyes, and respiratory tract.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: Al

Molecular Weight: 26.98

CHEMICAL NAME	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Aluminum shot	7429-90-5	100	10mg/m <sup>3</sup> (as Al dust)	15mg/m <sup>3</sup> (as total Al dust)

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

**SKIN EXPOSURE:** Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** None

**AUTO IGNITION TEMPERATURE:** None

**EXPLOSION LIMITS:** None

**EXTINGUISHING MEDIUM:** Carbon dioxide or dry powder, use water spray, alcohol-resistant foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** None

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** Explosion hazard in the form of a fine dust mixed with air.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Avoid dust formation. Use appropriate ventilation.

**ENVIRONMENTAL PRECAUTIONS:** Prevent further leakage and do not let enter drains.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Sweep up material and dispose of properly.

## SECTION 7 HANDLING AND STORAGE

No special storage or handling conditions required.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EYE PROTECTION:** Always wear approved safety glasses w/side shields, or safety goggles, face shield when handling a chemical substance in the laboratory.

**SKIN PROTECTION:** Chemical-resistant

**VENTILATION:** If possible, handle the material in an efficient fume hood.

**RESPIRATOR:** If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29CFR 1910.34.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** Grey/silver metal shot

**MOLECULAR WEIGHT:** 26.98

**MELTING POINT:** 660.37° C

**SPECIFIC GRAVITY:** 2.702 gm/ml

**BOILING POINT:** 2466° C

**VAPOR PRESSURE:** No data

**SOLUBILITY IN WATER:** Insoluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** No hazardous polymerization

**CONDITIONS TO AVOID:** Formation of a fine dust mixed with air.

**INCOMPATIBILITY:** Mineral acids, halogens, sulfur, phosphorus, and oxidizing agents.

**DECOMPOSITION PRODUCTS:** None

## SECTION 11 TOXICOLOGICAL DATA

**RTECS DATA:** No information available in the RTECS files.

**CARCINOGENIC EFFECTS:** No data

**MUTAGENIC EFFECTS:** No data

**TETRATOGENIC EFFECTS:** No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

## SECTION 12 ECOLOGICAL DATA

No information available

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

## SECTION 14 TRANSPORTATION DATA

Non-hazardous

## SECTION 15 REGULATORY INFORMATION

**TSCA:** Listed in the TSCA inventory

**SARA (TITLE 313):** Not reported under SARA title 313

## SECTION 16 OTHER INFORMATION

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