



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Aluminum Pellets**

PRODUCT NUMBER: 1002

CAS NUMBER: 7429-90-5

MANUFACTURER:

Prochem, Inc.
826 Roosevelt Road
Rockford, IL 61109

PHONE: 815-398-1788
FAX: 815-398-1810
TOLL FREE: 800-795-8788

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 ³ (as Al dust)	15mg/m ³ (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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