



Apex Abrasives Industries

Mfgs. & Supp. Of : Steel Shots, Steel / C. I. Grits, Cutwire Shots,
Stainless Steel Shots, Aluminium Oxide Grits, Glass Beads

Date :12.11.2021

Version 1.0 Aluminum Shot

MATERIAL SAFETY DATA SHEET

According To Regulation (EC) No.1907/2006

SECTION 1: Identification of the Substance/Mixture of the Company/ Undertaking.

1.1 Product Identifiers

Product Name: Aluminum Shot
Molecular Formula: Al
Brand: APEX
CAS -No: 7429-90-5

1.2 Relevant Identified Uses

Identified Uses: Laboratory chemicals, Shot Blasting, Steel Melting

1.3. Details of the supplier of the safety data sheet

Company: Apex Abrasives Industries
B 620 Jaswanti Allied Business Centre,
Ramchandralane Extension Road,
Kachpada, Malad West,
Mumbai 400064,
Maharashtra India.

E-Mail Address: apexabrasives@gmail.com

1.4. Emergency telephone number

Emergency Number: +91 (0)22 28819079

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

CLP Classification - Regulation (EC) No 1272/2008

Physical hazards

Based on available data, the classification criteria are not met

Health hazards

Based on available data, the classification criteria are not met

Environmental hazards

Based on available data, the classification criteria are not met

2.2. Label elements

None required

2.3. Other hazards

In accordance with Annex XIII of the REACH Regulation, inorganic substances do not require assessment





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SECTION 3: Chemical Compositions/ Information On Ingredients

3.1 Substances

CAS-No.	7429-90-5	
WET CHEMICAL ANALYSIS	RESULT	TEST METHOD
% Magnesium	0.006	TCR-TM-AAS-03-AI:13(2018)
% Manganese	0.002	TCR-TM-AAS-03-AI:13(2018)
% Titanic	0.010	TCR-TM-ICP-03-AI:13(2018)
% Zinc	0.003	TCR-TM-AAS-03-AI:13(2018)
% Iron	0.090	TCR-TM-AAS-03-AI:13(2018)
% Nickel	0.004	TCR-TM-AAS-03-AI:13(2018)
Lead (PPM)	40	TCR-TM-AAS-03-AI:13(2018)
Arsenic (PPM)	<10	TCR-TM-ICP-03-AI:13(2018)
% Copper	0.002	TCR-TM-ICP-03-AI:13(2018)
% Aluminum	99.76	By Balance

SECTION 4: First Aid Measures

4.1. Description of first aid measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

Inhalation: Remove to fresh air. Get medical attention immediately if symptoms occur.

Self-Protection of the First Aider No special precautions required.

4.2. Most important symptoms and effects, both acute and delayed



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None reasonably foreseeable.

4.3. Indication of any immediate medical attention and special treatment needed notes to physician

Treat Symptomatically.

SECTION 5: Firefighting Measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding Environment. Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty Container away from heat and sources of ignition

Hazardous Combustion Products

Fumes of aluminum or aluminum oxide.

5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (Approved or equivalent) and full protective gear.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation.

6.2. Environmental precautions

Should not be released into the environment.

6.3. Methods and material for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation





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Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure Control/Personal Protection

8.1 Control parameters

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering Measures

None under normal use conditions

Personal protective equipment

Eye Protection Wear safety glasses with side shields (or goggles) (European standard - EN 166)

Hand Protection Protective gloves

Glove material	Breakthrough time	Glove thickness	EU standard
Natural rubber, Nitrile rubber, Neoprene PVC	See manufacturers recommendations	-	EN 374

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure

Inspect gloves before use

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information) Ensure gloves are suitable for the task: Chemical compatibility, Dexterity, Operational conditions, User susceptibility, e.g. sensitization effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion

Remove gloves with care avoiding skin contamination.

Respiratory Protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95(US)



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or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

a) Physical State	Solid; Various Form
b) Appearance	Silver / Grey
c) Odor	Odorless
d) Odor Threshold	No data available
e) Melting Point/Range	660 °C / 1220 °F
f) Softening Point	No data available
g) Boiling Point/Range	2327 °C / 4220.6 °
h) Flammability (liquid)	Not applicable
i) Explosion Limits	No data available
j) Flash Point	Not applicable
k) Autoignition Temperature	No data available
l) Decomposition Temperature	No data available
m) pH	Not applicable
n) Viscosity	Not applicable
o) Water Solubility	Insoluble
p) Solubility in other solvents	No information available
q) Partition Coefficient (n-octanol/water)	No data available
r) Vapor Pressure	No data available
s) Density / Specific Gravity	2.700
t) Bulk Density	No data available
u) Vapor Density	Not applicable
v) Particle characteristics	No data available

9.2. Other information

Molecular Formula	Al
Molecular Weight	26.97
Evaporation Rate	Not applicable - Solid

SECTION 10: Stability And Reactivity

10.1. Reactivity No data available



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10.2. Chemical stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous Polymerization No data available.

Hazardous Reactions None under normal processing.

10.4. Conditions to avoid Incompatible products. Excess heat. Avoid dust formation. Exposure to air. Exposure to moist air or water

10.5. Incompatible materials Strong oxidizing agents.

10.6. Hazardous decomposition products

Fumes of aluminum or aluminum oxide.

SECTION 11: Toxicological Information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Product Information No acute toxicity information is available for this product

(a) Acute toxicity;

Oral No data available

Dermal No data available

Inhalation No data available

(b) Skin corrosion/irritation; No data available

(c) Serious eye damage/irritation; No data available

(d) Respiratory or skin sensitization;

Respiratory No data available

Skin No data available

(e) Germ cell mutagenicity; No data available

(f) Carcinogenicity; No data available

There are no known carcinogenic chemicals in this product

(g) Reproductive toxicity; No data available

(h) STOT-single exposure; No data available

(i) STOT-repeated exposure; No data available

Target Organs No information available.

(j) aspiration hazard; Not applicable

Solid

Other Adverse Effects The toxicological properties have not been fully investigated.





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Symptoms / effects, both acute and delayed No information available.

11.2. Information on other hazards

Endocrine Disrupting Properties Assess endocrine disrupting properties for human health.
This product does not contain any known or suspected endocrine disruptors.

SECTION 12: Ecological Information

12.1. Toxicity Ecotoxicity effects.

12.2. Persistence and degradability

Persistence

Insoluble in water.

Degradability

Not relevant for inorganic substances.

12.3. Bioaccumulative potential

May have some potential to bioaccumulate

12.4. Mobility in soil

Spillage unlikely to penetrate soil Is not likely mobile in the Environment due its low water solubility

12.5. Results of PBT and vPvB Assessment

In accordance with Annex XIII of the REACH Regulation, Inorganic substances do not require assessment.

12.6. Endocrine disrupting Properties

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors

12.7. Other adverse effects

Persistent Organic Pollutant
Ozone Depletion Potential

This product does not contain any known or suspected substance
This product does not contain any known or suspected substance

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Waste from Residues/Unused Products

Chemical waste generators must determine whether a discarded Chemical is classified as a hazardous waste. Consult local, Regional and national hazardous waste regulations to ensure Complete and accurate classification.





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SECTION 14: Transport Information

IMDG/IMO

Not regulated

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class (es)

14.4. Packing group

ADR

Not regulated

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

IATA

Not regulated

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class (es)

14.4. Packing group

14.5. Environmental hazards

No hazards identified

14.6. Special precautions for user

No special precautions required

14.7. Maritime transport in bulk

Not applicable, packaged goods

According to IMO instruments

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the Substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

REACH -Restrictions on the manufacture, Placing on the market and use of certain Dangerous substances, preparations and articles

: Not applicable

National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major accident hazards involving

: Not applicable





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Dangerous substances.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Apex Abrasives Industries shall not be held liable for any damage resulting from handling or from contact with the above product.

