

MATERIAL SAFETY DATA SHEET

Product Name: Aluminum metal

CAS No.: 7429-90-5

Version: 0

1. Identification

Product Code : 90308
Company Name : Advent Chembio Private Limited
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2. Hazards Identification**Hazard classification**

Pyrophoric solids : Category 1
flammable gases : Category 2

Label elements**Hazard symbol**

Signal word : Danger

Hazard statement : Catches fire spontaneously if exposed to air.
In contact with water releases flammable gases.

Precautionary statement : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not allow contact with air.
Handle under inert gas. Protect from moisture.
Wear protective gloves/ eye protection/ face protection.
Brush off loose particles from skin. Immerse in cool water/ wrap in wet bandages. Store contents under inert gas.

Supplemental Hazard Statements : None.

3. Composition/information on ingredients

Ingredient	CAS No	Percent
Aluminum metal	7429-90-5	NLT 99.70%

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4. First Aid Measures**Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation

: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact

: Wash off with soap and plenty of water. Consult a physician.

Eye contact

: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Swallowed

: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

Indication of any immediate medical attention and special treatment needed Treatment

: No data available

5. Fire fighting measures**Extinguishing media****Suitable extinguishing media**

: Dry powder

Special hazards arising from the substance or mixture

: Aluminum oxide

Advice for firefighters

: Wear self contained breathing apparatus for fire fighting if necessary

Further information

: No data available

6. Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions

: Prevent further leakage or spillage if safe to do so. Do not let product enter drains

Methods and materials for containment and cleaning up

: Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local. Do not flush with water. Keep in suitable, closed containers for disposal. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations

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- Precautions for safe handling** : Provide appropriate exhaust ventilation at places where dust is formed .Keep away from sources of ignition. No smoking.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- Specific end use(s)** : No data available

8. Exposure Controls Personal Protection**Control parameters****Components with workplace control parameters****Exposure controls**

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection Hand protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace..

Respiratory protection : Respiratory protection is required.

9. Physical and Chemical Properties

Appearance : A fine grey powder.

Odor : No data available

pH : No data available

Melting point/freezing point : 660.37 °C

Initial boiling point and boiling range : 2.460 °C

Flash Point : No data available

Vapor pressure : No data available

Vapor density : No data available

Relative density : 2.7 g/mL at 25 °C

Solubility in water : No data available

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Solubility (other) : No data available
Formula : Al
Molecular Weight : 26.98g/mol

10. Stability and Reactivity

Reactivity : No data available
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : Reacts violently with water.
Conditions to avoid : Exposure to moisture
Incompatible materials : acids, Acid chlorides, Halogens, Oxidizing agents, Bases, Oxygen
Hazardous decomposition products : No data available

11. Toxicological Information**Information on toxicological effects**

Acute toxicity : No data available
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Germ cell mutagenicity : No data available
Carcinogenicity : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity : No data available.
Specific target organ toxicity - single exposure : No data available
Specific target organ toxicity - repeated exposure : No data available
Aspiration hazard : No data available
Signs and Symptoms of Exposure : To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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Toxicity : No data available
Persistence and degradability : No data available.
Bioaccumulative potential : No data available.
Mobility in soil : No data available.
Other adverse effects : Harmful to aquatic life.

13. Disposal consideration

Disposal instructions : Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging : Dispose of as unused product.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	1396	ALUMINIUM METAL	4.3	II	NO
IMDG	1396	ALUMINIUM METAL	4.3	II	NO
IATA	1396	ALUMINIUM METAL	4.3	II	NO

15. Regulatory Information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date** :01/08/2014**Version** : 0

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