

SAFETY DATA SHEET
ALUMINUM OXIDE (Al₂O₃)

1. IDENTIFICATION

Name of Product: Brown Aluminum Oxide

Producer: Sunbelt Industries, Inc.
8017 N. Walker Ave.
P.O. Box 14948
Oklahoma City, OK 73113

Telephone No.: (405) 843-1275

Emergency No.: (405) 843-1275

2. HAZARD(S) IDENTIFICATION

Critical hazards to man
and environment: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity: Aluminum Oxide (Al₂O₃)

CAS No. 1344-28-1

4. FIRST AID MEASURES

Inhalation: If dust is inhaled while blasting, move person to fresh air. Seek medical attention if irritation persists.

Skin Contact: No special action required

Eye Contact: If dust gets into eye, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing until irritation ceases.

Ingestion: No special action required

5. FIREFIGHTING MEASURES

Not flammable.

Suitable extinguishing media: Use extinguishing measures appropriate to the source of the fire.

Unsuitable extinguishing media: None known

Specific hazards in case of fire: None known

Special protective equipment and precautions for fire fighters: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid dust formation. Wear personal protective equipment as outlined in Section 8.
Environmental precautions:	No special measures required.
Methods and materials for containment and cleaning up:	Pick up mechanically and dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid dust formation.
Conditions for safe storage including incompatibilities:	No special precautionary measures, no known incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Information on the system design:	Not applicable
Respiratory protection:	Avoid inhaling dust. Fine dust mask with category P1 filter must be used if fine dust limits are exceeded.
Eye protection:	Safety glasses are recommended.
Skin protection:	Protective gloves are recommended to avoid abrasions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Grains, powder
Color:	Brown, Gray, Black, White
Odor:	Odorless
Odor threshold:	Not applicable
pH value:	Not applicable
Melting point:	Approx 2000°C
Freezing point:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability:	Not applicable
Explosion limits:	Not applicable
Vapor pressure:	Not applicable
Specific gravity:	(3, 7 - 4, 5) g/cm ³
Bulk density:	(500 - 2500) kg/m ³
Solubility in water:	Practically insoluble
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: The material is stable, not hazardous.
Possibility of hazardous reactions: None known
Conditions to avoid: None known
Materials to avoid: Not applicable
Hazardous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

No hazardous effects known, if used properly.
Acute toxicity: None known

12. ECOLOGICAL INFORMATION

Persistence and degradability: Chemically inert and insoluble in water. Separation by mechanical processes (sedimentation, filtration, etc.).

Behavior in environmental compartments: No environmental problems known. No harmful effect on water organisms anticipated.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Can be stored with domestic waste. Observe local by-laws.

14. TRANSPORT INFORMATION

Land transport: Non hazardous material
Inland waterways: Non hazardous material
Maritime transport: Non hazardous material
Air transport: Non hazardous material

15. REGULATORY INFORMATION

Danger symbol and danger text of the product: None

16. OTHER INFORMATION

The information contained herein is accurate to the best of our knowledge. Sunbelt Industries, Inc. makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

SDS Preparation Date: November 18, 2019