



MATERIAL SAFETY DATA SHEET

1.0 Chemical Product and Company Identification

Product Name: ND AGGREGATE™

Chemical Name: WHITE ALUMINUM OXIDE

Company Name: NEW DIMENSIONS SOLUTIONS, LLC
3960 Howard Hughes Parkway, Suite 500
Las Vegas, NV 89169
(800) 731-2231 Fax (866)361-1558

Emergency/Technical : (800) 731-2231

2.0 Composition/Information on Ingredients

<u>Component</u>	<u>CAS No.</u>	<u>OSHA Exposure Limits (PEL)</u>	<u>ACGIH Rec. Limits (TLV)</u>	<u>Percent By Weight</u>
Aluminum Oxide ¹	1344-28-1	15 mg/m ³	10 mg/m ³	97-99.5

All Other Oxides less than 1% (SiO₂ + Fe₂O₃ + Na₂O + CaO + MgO + TiO₂)

¹ Non-Fibrous form of Aluminum Oxide

3.0 Hazard Identification/ Potential Health Effects

Eye: May irritate eyes

Skin: Not absorbed through the skin. May cause abrasions.

Ingestion: No known adverse effects, but ingestion not recommended.

Inhalation: May cause coughing or shortness of breath.

Chronic Effects: Can alter the course of inhalation tuberculosis leading to extensive fibrosis and progressive disease.

4.0 First Aid Measures

Eyes: Wash with large amounts of water. Get medical attention, if needed.

Skin: Wash with water. Obtain first aid or medical assistance if needed.

Ingestion: If swallowed, seek medical attention.

Inhalation: Remove to fresh air, apply artificial respiration as needed. Get medical attention if needed.

5.0 Fire Fighting Measure

Flammable Properties: Non-flammable

Flash Point: None **Fire/Explosion Potential:** None

Upper and Lower Flammable Limits: None

Autoignition Temperature: None

Special Fire Fighting Procedures: None

6.0 Accidental Release Measures

Personal Precautions: Wear protective equipment. See Section 8.

Cleanup Measures: Normal cleanup procedures. Avoid generating dust. Dispose according to standard landfill methods consistent with applicable Federal, State and Local laws.

7.0 Handling and Storage

Normal Storage: General storage, ambient air temperature and pressure.

Handling: Avoid generating dust. Handle with adequate ventilation for dust. See OSHA 29 CFR 1910-94 (Ventilation).

8.0 Exposure Controls, Personal Protection

Engineering Control: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposures below PELs or TLVs.

Respiratory Protection: Recommended if TLVs or PELs are exceeded. Use NIOSH/MSHA approved respirators.

Skin and Hand Protection: Gloves as desired by user.

Eye and Face Protection: Use safety glasses with side shields. If there is potential for exposure to particles which could cause mechanical injury to the eye, wear goggles.

9.0 Physical and Chemical Properties

Appearance: White
Odor: Odorless
Point: Sublimes
Flash Point: None
Oxidizing Properties: None
Vapor Density: N/A
Water Solubility: Insoluble
Solubility in other solvent: NA

pH: N/A **Boiling**
Melting Point: 2100 ° C
Explosive Properties: None
Vapor Pressure: N/A
Specific Gravity: 3.6

10.0 Stability and Reactivity

Chemical Stability: Stable
Polymerization: Will not occur

Incompatibility: None
Conditions to Avoid: N/A

11.0 Toxicological Information

Not Available

12.0 Ecological Information

Not Available

13.0 Disposal Considerations

Approved landfill in accordance with all local, state and federal regulations.

14.0 Transportation Information

US DOT - Not regulated as a hazardous material

15.0 Regulatory Information

TSCA - The chemical components of this product are registered under the Toxic Substance Control Act (Title 40 CFR Part 710).

Prepared By: MSDS COMMITTEE,

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