

# Material Safety Data Sheet

## Section 1 - Chemical Product And Company Identification

Sample Name: **ACTIVATED ALUMINA HYAA300**

Company: E.D.S. International (Thailand) Co., Ltd.

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Bangkok 10240 Thailand

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## Section 2 - Composition Information on Ingredients

Chemical Name	Percent (by weight)	CAS No.
Aluminum Oxide	> 90%	1344-28-1

## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

Non-flammable. Safe under normal use. If contacted with grinding dust, may cause eyes and skin irritation. If inhaled grinding dust, may cause upper respiratory system irritation.

Target organs: Eye, skin and respiratory system.

Hazards sorts: Not available.

Potential Health Effects:

- Eye: If contacted with grinding dust, may cause eyes irritation.
- Skin: If contacted with grinding dust, may dry skin.
- Ingestion: Product is not intended to be ingested or eaten under normal conditions for use. If ingested, it may cause temporary irritation to the gastrointestinal (GI) tract, especially the stomach.
- Inhalation: May cause respiratory tract irritation if inhaled grinding dust. Repeated



or prolonged exposure may cause lung injury.

## Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes.

**Skin:** Wash exposed skin with soap and water. If irritation develops, seek medical attention.

**Ingestion:** If the material is swallowed, get immediate medical attention or advice. Never give anything by mouth to an unconscious person. If conscious and alert, give several glasses of water or milk.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if necessary.

## Section 5 – Fire Fighting Measures

**General Information:** The material is not flammable. As in any fire, wear a self-contained breathing apparatus in pressure-demand and full protective gear.

**Extinguishing Media:** Use agent most appropriate to extinguish surrounding fire. Use CO<sub>2</sub>, sand, extinguishing powder.

## Section 6 – Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Ventilate area of leak or spill. Collect material then place in suitable container. Recycle if possible. Avoid generating dust.

## Section 7 – Handling and Storage

**Storage:** Keep in a tightly closed container. Store in a cool, dry, ventilated area.

**Handling:** Protect against physical damage. Avoid contacting with eyes. Wash hands thoroughly after handling.

## Section 8 – Exposure Controls, Personal Protection

**Exposure Limit:**

CAS# 1344-28-1

- PEL-TWA 15mg/m<sup>3</sup> (OSHA, total) 5mg/m<sup>3</sup> (OSHA, resp)

Monitoring Methods: No information found.

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Equipped with safety shower and eyes bath.

Personal Protective Equipment:

- Eyes: Wear appropriate protective eyeglasses or chemical safety goggles.
- Skin: Wear appropriate protective gloves to prevent skin exposure.
- Clothing: Working clothing is suggested.
- Respirators: It is suggested to use an appropriate respirator if dust in the air or if irritation or other symptoms are experienced.

## Section 9 – Physical and Chemical Properties

Form:	Solid
Color:	White
Odor:	None
PH:	8~11 (AS)
Boiling Point/range:	N/A
Melting Point/range:	N/A
Decomposition Temperature:	N/A
Density:	0.3~0.8 g/mL
Ignition Temperature:	N/A
Solubility:	Soluble in acid or soda, insoluble in water

## Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal condition.

Conditions to Avoid: The addition of the moisture (water) without flooding can cause rise in temperature from heat of adsorption, and contact with skin might result in burns.

Incompatibilities materials: Sudden contact with high concentrations of chemicals having high heats of adsorption such as olefins, HCl, etc.

Hazardous Decomposition Products: Na/A

Hazardous polymerization: Will not occur.

## Section 11 – Toxicological Information

Toxicological Information:

CAS# 1344-28-1

- LD50: >5000 mg/Kg (oral, rat)

Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Sensitization Rate: Not available.

Teratogenicity: Not available.

## Section 12 – Ecological Information

Ecological Toxicity: Not available.

Ecological Degradation: Not available.

Abiology Degradation: Not available.

Aquatic Toxicity: Not available.

## Section 13 – Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

## Section 14 – Transport Information

Not regulated as a hazardous material for transportation. (D.O.T; TDG; IMDG; IATA; DGR)

UN: N/A

Classification: N/A

Packaging Sign: N/A

Shipping Name: N/A

Packaging Category: N/A

Packaging Method: N/A

Shipping Notice: N/A

## Section 15 – Regulatory Information

Regulatory Information: Reference to the local, national and EU / international regulations.

TSCA: All compounds are listed.

DSL: All compounds are listed.

OSHA: No compounds are listed.

California Prop 65: No compounds are listed.

Hazard Symbols: N/A

Safety Description: S22: Do not breathe dust  
S25: Avoid contact with eyes

Risk Codes: N/A

## Section 16 – Additional Information

Issue Time: 2009-10-10  
Issue Department: Technical Department  
Date review unit:  
Modification record:

***Other Information:***

Regional representation: This information is given on the authorized Material Safety Data Sheet for your country.