

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Company Address:
9826 W. Legacy Ave.
Visalia, CA 93291

Product Information: 559-740-0912
Medical Emergency Toll Free: 877-740-5015
Medical Emergency Alternate: 503-739-1110
Prepared by: Nevin House
Revision Date: August 23, 2012

Product Identification

Aretic Alumina Premium Thermal Compound

Product Code: AA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**Product Ingredient Information**

CAS No.
1344-28-1
10043-11-5
Non-hazardous
Non-hazardous

SECTION 3: HAZARD IDENTIFICATION

Emergency Overview: White grease with slight odor. This product is nonflammable. Liquid will irritate eyes.

Potential Health Effects:

Eyes: This product is an eye and mucous membrane irritant.

Skin: Not expected to be a skin irritant. Repeated and prolonged skin contact could cause minor skin irritation.

Ingestion: No adverse effects expected.

Inhalation: No specific information available.

Pre-Existing Medical Conditions Aggravated by Exposure: eye

SECTION 4: FIRST AID MEASURES

Eyes: Immediately flush with large amounts of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined by a Physician.

Skin: Remove contaminated clothing and wash skin with soap and water. Get medical attention if irritation develops/persists. Wash clothes separately before reuse.

Ingestion: If appreciable quantities are swallowed, seek medical advice.

Inhalation: Not likely route of exposure. If inhaled and irritation occurs, remove to fresh air. If irritation persists, call a Physician.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: > 600°F (Scraflash)

LEL/UEL: NA. (% by volume in air)

Extinguishing Media: Use carbon dioxide or dry chemicals for small fires, aqueous foam or water for large fires involving this material.

Fire Fighting Instructions: Remove all ignition sources. Closed containers may rupture due to build-up of pressure when exposed to extreme heat. Fight fire from a safe distance. As in any fire, wear self-contained breathing apparatus (pressure demand, OSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Large Spills: Remove all sources of ignition (sparks, open flames, etc.). Wear self-contained breathing apparatus and appropriate personal protective equipment. Ventilate area and contain spill with sand or other absorbent material. Collect spill by scooping up liquids and absorbent material and place in a sealed metal container for proper disposal. Do not flush to sewer. Prevent material from entering storm sewers, ditches that lead to waterways and ground.

Small Spills: Absorb spill with absorbent material, then place in a sealed metal container for proper disposal.

SECTION 7: HANDLING AND STORAGE

Overheating may cause container to rupture. Use explosion proof electrical equipment. Containers must be kept closed and ventilation provided to prevent vapor concentration build-up. Store in a cool dry place. Do not breathe vapor or get liquid in eyes, on skin and clothing. Keep away from heat or sources of ignition. Check all containers for leaks. Wear protective clothing as in section above. Avoid prolonged breathing of vapors or contact with skin. Ensure that all equipment is grounded to prevent static discharge. Containers of this material may be hazardous when emptied due to solid or vapor residue. All hazard precautions given in this data sheet must be observed for empty containers.

KEEP OUT OF REACH OF CHILDREN.**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

Exposure Guidelines:

CHEMICAL NAME

Aluminum Oxide

Boron Nitride

Polyol Ester

Polyether Glycol

ACGHH TLV

10 mg/m3

10 mg/m3

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

NA

Stability: This product is stable.

Conditions to Avoid: Contamination with incompatible materials.

Incompatibility: Avoid strong oxidizing agents, strong acids and alkalis.

Products of Decomposition: Carbon monoxide, carbon dioxide, silicon dioxide, oxides of nitrogen, and incompletely burned hydrocarbons which may include minute traces of formaldehyde. Reacts with acids and alkalis to form combustible hydrogen gas.

Hazardous Polymerization: May not occur.

Conditions to avoid: NA

SECTION 11: CARCINOGEN INFORMATION

Cancer Information: No ingredients listed as human carcinogens by NTP or IARC

SECTION 12: ECOLOGICAL INFORMATION

Environmental Impact Information

Avoid runoff into storm sewers and ditches that lead to waterways. Water runoff can cause environmental damage.

REPORTING

US regulations require reporting spills of this material that could reach any surface waters. The toll free number for the US Coast Guard National Response Center is: 1-800-424-8802

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations. Water runoff can cause environmental damage.

SECTION 14: TRANSPORTATION INFORMATION Air and Ground Shipments:

Goods are not regulated, or not dangerous, or are not hazardous, or not restricted for transportation by IATA.

SECTION 15: REGULATORY INFORMATION

SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

Product contains no Section 313 listed chemicals.

This information should be included on all MSDSs copied and distributed for this material.

TOXIC SUBSTANCES CONTROL ACT (TSCA)

All ingredients of this product are listed on the TSCA Inventory.

SECTION 16: OTHER INFORMATION

Do not puncture or incinerate containers. Normal ventilation for standard manufacturing practices is usually adequate. Local exhaust should be used when large amounts are released.

WHMIS: Ingredient disclosure list: None

Status: Noncontrolled

To the best of our knowledge, the information contained herein is accurate. However, all materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist.

ACGHH STEEL
NA
NA
NA
NA

OSHA PEL
10 mg/m3
10 mg/m3
NA
NA

HMIS

0
1
1

0
0
-

NA
NA
B

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: White Grease

Odor: Slight Odor

pH: NA

Vapor Pressure: NA

(Air 1)

Vapor Density: NA

(Air = 1)

Solubility in Water: < 0%

Specific Gravity: 1.5-1.7

Evaporation Rate: slower

(Butyl acetate=1)

Boiling Range: NA

(Water =1)

Percent Volatile: < 0.1

SECTION 10: STABILITY AND REACTIVITY INFORMATION

Stability: This product is stable.

Conditions to Avoid: Contamination with incompatible materials.

Incompatibility: Avoid strong oxidizing agents, strong acids and alkalis.

Products of Decomposition: Carbon monoxide, carbon dioxide, silicon dioxide, oxides of nitrogen, and incompletely burned hydrocarbons which may include minute traces of formaldehyde. Reacts with acids and alkalis to form combustible hydrogen gas.

Hazardous Polymerization: May not occur.

Conditions to Avoid: NA

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SECTION 14: TRANSPORTATION INFORMATION

Air and Ground Shipments:

Not Regulated

SECTION 15: REGULATORY INFORMATION

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Medical Emergency Alternate: 505-739-1110

Prepared by: Nevim House

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Product Identification

Arctic Alumina Premium Thermal Compound

Product Code: AA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Product Ingredient Information

Ingredient Name	CAS No.	Hazardous
Aluminum Oxide	1344-28-1	Non-hazardous
Boron Nitride	10043-11-5	Non-hazardous
Polyol Ester		Non-hazardous
Polyether Glycol		Non-hazardous

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Ingestion: If appreciable quantities are swallowed, seek medical advice.

Inhalation: Not likely route of exposure. If inhaled and irritation occurs, remove to fresh air. If irritation persists, call a Physician.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: > 600°F (See table)

LEL/UEL: NA. (% by volume in air)

Extinguishing Media: Use carbon dioxide or dry chemicals for small fires involving this material.

Fire Fighting Instructions: Remove all ignition sources. Closed containers may rupture due to build-up of pressure when exposed to extreme heat. Fight fire from a safe distance. As in any fire, wear self-contained breathing apparatus pressure demand, OSHA/NIOSH approved or equivalent and full protective gear.

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KEEP OUT OF REACH OF CHILDREN.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Guidelines:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	ACGIH STEL
Aluminum Oxide	10 mg/m ³	10 mg/m ³	NA
Boron Nitride	10 mg/m ³	10 mg/m ³	NA
Polyol Ester	NA	NA	NA
Polyether Glycol	NA	NA	NA

NFPA and HMIS Codes:

Health	Flammability	Reactivity	Personal Protection	NFPA	HMIS
0	1	0	B	0	0
0	1	0	B	0	0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: White Grease

Color: Slight Odor

pH: NA

Vapor Pressure: NA

(Air 1)

Vapor Density: NA

(Air = 1)

SECTION 10: STABILITY AND REACTIVITY INFORMATION

Solubility in Water: <2.0%

Specific Gravity: 1.5-1.7

Evaporation Rate: slower

(Butyl acetate=1)

Boiling Range: NA

(Water=1)

Percent Volatile: <0.1