

Material Safety Data Sheet

ALUMINATE HD

Section 1. Chemical Product and Company Information

Trade Name: ALUMINATE HD
Product Type: Acidic Aluminum Cleaner / Acid Wash
Manufacturer: Quest Transportation Technologies
By Pas International Corporation
3333 Production Court
Zeeland, MI. 49464
1-800-346-1028
Date Revised: 8/1/2010



Emergency Phone: 1-800-424-9300 (Chemtrec)

Section 2. Composition, Information about Formulation Ingredients

CAS Number:	Name:	% (optional)	UNITS (TLV)	Sara 313 Reportable
7664-93-3	Sulfuric Acid	<40	1 mg/m3	Yes
7664-39-3	Hydrofluoric Acid	<7	1 mg/m3	Yes
Proprietary	Nonionic Surfactant		NE	

Section 3. Hazardous Identification

Emergency Notification: Corrosive & Toxic, Acidic Liquid!
Product Overview: Will cause severe damage to the eyes, skin and respiratory system after contact with. Harmful or fatal if swallowed. Over exposure can lead to hypocalcemia.

Potential Health Effects

Eyes: Product will cause severe damage if not treated immediately.
Skin: Will cause a severe rash, burns or defat the skin after contact even with at low concentrations.
Inhalation: Concentrated product mists are irritating and hazardous to the respiratory system.
Ingestion: Corrosive to internal organs and bones. Will cause burns to mouth, throat and stomach.

Section 4. First Aid Procedures

Eyes: Flush eyes immediately with cool running water. Remove contact lenses and continue flushing for another 10-15 minutes. Get medical attention immediately!
Skin: Flush area with plenty of cool water for 10-15 minutes. Remove affected clothing and wash area under affected clothing for 10-15 minutes. Wash clothing articles before reuse. Apply calcium gluconate gel to affected areas. Contact a physician immediately.
Inhalation: Remove person to fresh air immediately. If not breathing administer CPR. If breathing is difficult give oxygen and get medical attention.
Ingestion: Rinse the mouth, then drink 1-2 large glasses of water or milk or give several anti-acid tablets. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5: Fire Fighting Procedures

Special Hazards Notification: Corrosive to concrete and non-ferrous metals.
Fire Fighting Media: Use water spray (fog), foam, dry chemicals or CO2.
Instructions: Dike area of fire to contain and prevent product run off. Product will not burn. Treat area as for surrounding fire.
Special Equipment Needed: Fire fighters should wear chemical resistant equipment in case of spill and a self contained breathing apparatus with face shield in case of product spatter.

Section 6: Accidental Release Measures

Personal Precautions: Wear chemical resistant gloves, splash proof eye wear and protective clothing before attempting to move contaminated containers. Stop leak if no risk is involved. Dike spills and prevent the product from entering sewers, basements or confined areas.
Environmental Precaution: Prevent this product from entering natural waterways or the ground.
Clean Up Procedures: Recover material and place into sealable plastic containers only. Neutralize affected area with 20% soda ash solution if necessary then flush area with large amounts of water into a sanitary sewer system or waste water treatment drain (if there is one). Comply with local, state and federal regulations for reporting spills. (See also Section 13).

Section 7: Handling and Storage

Handling: Do not get product on the skin, in the eyes or mouth. Keep container sealed when not in use. Avoid breathing strong product mists. Wear chemical resistant gloves, eye protection and protective clothing when moving containers to avoid contact with product residue.
Storage: Keep container lids closed when not in use. Keep out of the reach of children. Store in room temperature and out of direct sunlight. Open lids slowly to release pressure. Best if used within 2 years of manufacture date. Consult with your representatives should product be beyond the manufacture date.

Section 8. Personal Protection	ALUMINATE HD
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Personal Protection:

Eyes: Use splash proof goggles or glasses. In case of areas where product may splash or drip use a full face mask.

Skin: Use chemical resistant gloves for the hands, and use a synthetic apron to prevent further skin contact from splashing.

Respiratory: In case of strong product mists or using in confined spaces select and use an OSHA approved breathing apparatus for acid mists.

Ventilation: Local exhaust.

Other: Make sure eye wash and shower station is near by the area in case of emergency.
Calcium Gluconate Gel or .13 Iced Aqueous Zephirin Chloride for skin contact.

Section 9. Physical and Chemical Properties
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Product State: Liquid
Color: Orange
Odor: Strong Pungent Odor
pH @ 100%: <1
Boiling Point: NE
VOC's % by wgt: None
Phosphorous % by wgt: None
Flash Point °F: None
Solubility in Water: Complete
Specific Gravity: 1.2

Section 10. Stability and Reactivity

Stability: Stable at room temperature. Not stable if heated!
Reactivity: Reactive with oxidizers and strong bases.
Will degrade concrete and non-ferrous metals even at low concentrations.

Haz. Decomposition: Sulfur dioxide, Halogenated Compounds, Carbon Dioxide.

Section 11. Toxicological Information
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Overexposure Effects:

Skin: Corrosive. Defatting of the skin and burns. Hypocalcemia will result when absorbed thru the skin.
Eyes: Corrosive. Will cause severe burns, damage and can cause blindness.
Inhalation: Mists are corrosive to the respiratory system. Will cause irritation, sores or burns.
Ingestion: Corrosive to internal organs and mucous membranes. Harmful or fatal if swallowed.
Carcinogenicity: Sulfuric Acid is known to be slightly carcinogenic.
Other Studies: There is no other data available and no other studies have been performed on this product.

Section 12. Ecological Information

No Ecological Information is available on this product. However it is toxic and harmful to aquatic life.
All detergents used are readily biodegradable.

Section 13. Disposal Considerations
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Contact the manufacturer or DEQ for proper disposal of this solution.
Product can be treated by using an in house waste treatment system.
Otherwise follow your local, state or federal regulations (contact DEQ) for proper disposal of chemicals. Very small amounts of clean solution may be flushed with large amounts of water to sanitary sewer system (not recommended).

Section 14. Transportation Information

DOT LABELING	SHIPPING DESCRIPTION	OTHER INFO
CORROSIVE TOXIC	Corrosive Liquids, Toxic, nos (Sulfuric Acid & Hydrofluoric Acid), 8 (6.1), UN2922, II	

Section 15. Regulatory Information

HCS Classification: Corrosive & Toxic
U.S. Federal Regulations: Corrosive & Toxic
TSCA 8 (b): All materials are listed or exempt
California Prop 65 None listed

<u>Hazardous Material:</u>	USA	Health:	3	
<u>Information System:</u>		Fire Hazard:	0	
		Reactivity:	2	
		Personal Protection:	B	

Section 16. Other Information

Disclaimer:

Information presented herein has been compiled from sources considered to be accurate and reliable, but is not guaranteed to be so. Since conditions of use are beyond our control we make no warranties, expressed or implied.
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