



MATERIAL SAFETY DATA SHEET

DOC# 981120-R361

GROUP NAME: CTATH

TRADE NAME: LB 216-124

Chemical Name: Chemically Treated Aluminum Trihydrate

(Synonyms): Chemically Treated Gibbsite; Chemically Treated Alumina Trihydroxide; Chemically Treated Alumina Hydroxide; Chemically Treated Aluminum Oxide Trihydrate; Chemically Treated Hydrated Alumina

MANUFACTURER'S NAME: J.M. Huber Corporation
Huber Engineered Materials

STREET ADDRESS: 187 Gordon Street

CITY/STATE/POSTAL CODE/COUNTRY: Fairmount, Georgia 30139 USA

TELEPHONE NUMBER: (706) 337-5322 (Fairmount)
(770) 441-1301 (Norcross - Customer Service)
(912) 745-4751 (Macon - R&D Dept.)

CAUTION: COMPLETE HEALTH AND SAFETY DATA FOR THIS TREATED PRODUCT
 IS UNAVAILABLE.

COMMON CHEMICAL NAME: Surface Modified Alumina Trihydrate (non-fibrous) $Al_2O_3 \cdot H_2O$

<u>COMPOUND</u>	<u>CAS NUMBER</u>	<u>TYPICAL CONCENTRATION, %</u>
ALUMINA TRIHYDRATE	21645-51-2	98-99
TRADE SECRET**	N. A.	1-2

ADDITIVES OR INGREDIENTS WHICH MAY PRESENT AND WHICH MIGHT BE OF INDUSTRIAL HYGIENE INTEREST:

SILICA: Product contains less than 0.1% total crystalline silica.
Inhalable crystalline silica fraction, unknown.

****Note:** The exact chemical identity and concentration of this treatment additive are confidential. In its concentrated form this ingredient is a mild eye and skin irritant. Inhalation of high concentrations of vapor or the ingestion of this material can be hazardous.

MARKETED BY
HARWICK STANDARD
DISTRIBUTION CORPORATION
 60 S. Seiberling Street - Akron, Ohio 44305

<u>ROUTE OF EXPOSURE</u>	<u>HAZARD DETERMINATION</u>	<u>BASIS FOR DETERMINATION</u>
SKIN CONTACT	May cause slight mechanical irritation.	
SKIN ABSORPTION	Non-hazardous	Historical
EYE CONTACT	May cause slight mechanical irritation.	
INGESTION	None reported.	Historical
INHALATION	Nuisance Dust TLV = 10 mg/m ³	

Note: This hazard determination is based on the untreated ATH dust. Historical experience suggests that the hazards of the chemically-treated ATH dust may be similar.

EYE: Flush eyes with clean water for at least 15 minutes until no evidence of material remains.

SKIN: Rinse exposed areas with fresh water, then wash thoroughly with mild soap and warm water. Avoid vigorous scrubbing which could aggravate abrasion irritation.

INHALATION: Remove from exposure area to fresh air immediately. Give CPR or oxygen if necessary.

INGESTION: Get medical attention.

FLASH POINT: N.A. **AUTOIGNITION TEMPERATURE:** None.

FLAMMABLE LIMITS IN AIR: N.A.

ADDITIONAL INFORMATION: Evolves water vapor on heating to above 200° C. Special fire fighting procedures or extinguishing media are not applicable.

PROCEDURE WHEN MATERIAL IS RELEASED OR SPILLED: NOT a "toxic pollutant" or a "hazardous substance" under Sections 307 and 311 of the Clean Water Act. Clean spills by sweeping, vacuuming or flushing with water.

SMALL SPILLS: Use scoop or shovel to transfer material into a sealable container.

LARGE SPILLS: Control area of spill and collect material in sealable container or covered transport vehicles for removal to use site or disposal facility.

NEUTRALIZING CHEMICALS: None required.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid dusting and contact with eyes and skin. Do not inhale dust.

STORAGE: Keep material dry.

PERSONAL PROTECTIVE EQUIPMENT

EYE: Wear eye protection whenever airborne nuisance dust is generated. Goggles are recommended.	VENTILATION: Provide sufficient ventilation to maintain dust concentration below ACGIH Threshold Limit Values (TLVs).	GLOVES: Wear gloves to prevent skin abrasions.
RESPIRATORY PROTECTION: Use a dust mask approved by NIOSH.		

PRECAUTIONARY STATEMENTS/LABELING:

PRODUCT SAFETY LABEL / ETIQUETA DE SEGURIDAD		
Health / Salud =	0 *	NO ACUTE EFFECTS / Ninguno efecto agudo
Flammability / Inflamable =	0	NONE / No
Reactivity / Reactiva =	0	NONE / No
Maximum Personal Protection / Maxima Proteccion Personal =	E *	DUST MASK / Máscara de polvo * H.M.I.S. Label / H.M.I.S. Etiqueta
ALUMINUM TRIHYDROXIDE / TRIHIDRATO DE ALUMINIO (CAS #21645-51-2)		
* CAUTION: Prolonged breathing of excessive dust may affect lung function. Use dust mask in dusty areas.		* ADVERTENCIA: Respiración de polvo excesivo puede afectar la función pulmonar. Use una mascarilla en áreas con mucho polvo.
J.M. Huber Corporation -- Engineered Materials Division Atlanta, Georgia 30339 USA		
LSL#4		

APPEARANCE AND ODOR: White liquid or dry powder with negligible odor.

BOILING POINT: N.A.

SPECIFIC GRAVITY: 2.4

VOLATILITY: Slurry: 30-40% water.

pH: 8.5 at 20% solution

MELTING POINT: N.A. Decomposes at 200° C

VAPOR DENSITY (air =1): N.A.

SOLUBILITY IN WATER: Strong acids and strong alkalis.

N.A. = NOT APPLICABLE

CONDITIONS CONTRIBUTING TO INSTABILITY: Stable in air, water, and heat (up to 200° C.). For the treatment chemical avoid temperatures over 100 C.

INCOMPATIBILITY: Dissolves in strong acids and strong alkalis. For the treatment chemical avoid water and aqueous acids and halogen (chloride) in the presence of sunlight.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: Will not occur. May occur for the treatment chemical if exposed to polymerization catalysts.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning of the treatment chemical may produce carbon monoxide, carbon dioxide, and oxides of silicon.

EFFECTS OF ACUTE OVEREXPOSURE: Eye contact may cause abrasion and irritation. Inhalation of airborne nuisance dust may cause coughing, shortness of breath, wheezing or general irritation of breathing passages. Contact with skin may cause dryness and irritation.

EFFECTS OF CHRONIC OVEREXPOSURE: Airborne nuisance dust may cause chronic effects in eye contact irritation, including permanent abrasion damage to cornea. Breathing airborne nuisance dust can cause chronic breathing difficulty.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Unknown.

Note: This hazard determination is based on the untreated ATH dust. Historical experience suggests that the hazards of the chemically-treated ATH dust may be similar.

AQUATIC TOXICITY: None.



WASTE DISPOSAL METHOD: NOT a hazardous waste under RCRA Section 3001. Use normal solid waste disposal procedures which are in compliance with Federal, State and Local Regulations. Re-use material whenever possible. Waste material must be disposed of in accordance with local, state and federal agencies, at approved municipal landfill.



DOT: NOT RESTRICTED

INTERNATIONAL REGULATIONS

UN number: None.

Land transport: None.

Inland waterways: None.

Sea transport (IMDG code): None.

Air transport (IDAO/IATA): None.



STATE

Consult Local and State Hazard Communication Regulations.

FEDERAL

CPSC: None.

USDA: None.

FDA: None known.

TSCA: Is this product and all its ingredients certified for inclusion in the Toxic Substances Control Act Inventory of Chemical Substances? **Yes**

OSHA: Have ingredients in concentrations above 0.1% been:

1. Listed in the NTP Annual Report on Carcinogens? **No**

2. Found to be a potential carcinogen by OSHA or IARC? **No**

SARA304: NO

SARA311: YES

SARA312: YES

SARA313: NO

NJRTK: YES

CAPROP85: YES

CANDSL: UNKNOWN

ECoin: UNKNOWN

RCRA: NO

WARNING: This product contains a chemical known to the State of California to cause cancer.

-- Trace amounts of lead, cadmium, respirable crystalline silica. --

The information contained in this Material Safety Data Sheet is believed to be reliable. No guarantee is implied or expressed regarding the accuracy of this information or the use of the product since the conditions for use are beyond our control. Nothing contained herein should be construed as a recommendation to use this product in conflict with Federal or state regulations or existing patents covering any material or its use.

FOR MORE INFORMATION CONTACT:

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