



CLAY

J.M. Huber Corporation
Clay Division

One Huber Road
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J. M. HUBER

Page 1 of 5

MATERIAL SAFETY DATA SHEET

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Doc#: 920423-0106

SECTION I: IDENTIFICATION

Group Name : CTKC02
: AMINO CHEMICALLY TREATED CALCINED HUBER WW
Trade Name : NYLOK 170

Chemical Name : AMINO CHEMICALLY TREATED CALCINED HUBER WW (NYLOK SERIES)
(Synonyms) : (CHINA CLAY)

Manufacturer : J. M. Huber Corporation
Clay Division

Address : One Huber Road
City, State, Zip: Macon, GA 31298
Telephone Number: 912-745-4751

Additional Information:

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

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENTS: CAS # Min Max
CALCINED KAOLIN 66402-68-4 98.75 %

Amorphous calcined kaolin (anhydrous aluminum silicate) is produced by heating naturally-occurring crystalline kaolin (hydrated aluminum silicate) to very high temperatures.

Additional Information:

Above ingredient percentages are representative of bulk samples.

Date MSDS Created: 20-NOV-91 Prepared by: JAY HUTTO, ENVIR.MGR ; Phone: 912-745-4751
Date Last Revised: 23-APR-92
For Routine Inquiries Contact: Lisa Matthews ; Tech Service Coordinator ; 912-745-4751

Jay Hutto 4/23/92

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

SECTION II.A: OTHER INGREDIENTS

**** Additives or ingredients which MAY be present, and which might be of industrial hygiene interest:**

****CRYSTALLINE SILICA (Quartz)-** Less than 0.1% total airborne.

****Amino Silane:** The exact chemical identity and concentration of this additive are confidential. The pure additive is slightly toxic by ingestion, and causes transient skin reddening on contact.

****ORGANOSILANE:** The precise chemical identity and concentration of this additive are protected as trade secrets. In its concentrated form this ingredient is an eye, skin and lung irritant.

SECTION III: PHYSICAL CHARACTERISTICS

PHYSICAL DATA:	Qty	Units	Text
Specific Gravity:	2.63		
Melting Point:	1700	DEGC	Approximately.
pH Concentration:			8.0 - 9.0 at 28% solids.
Solubility Data:			Negligible.
Appearance and Odor:			White powder with negligible odor.

SECTION IV: HEALTH HAZARD DATA

Tolerance Limits:

Ingredients	Agency	Test	Concentration
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*** No Tolerance Limits Specified ***

Skin Contact- Non-hazardous
 Skin Absorpt- Non-hazardous
 Eye- Nuisance Dust
 Ingestion- Non-hazardous
 Inhalation-

(For Total dust with UNDER 1.0% Total quartz):

Kaolin: TLV = 10.0 mg/cu meter of Total dust. (ACGIH)

PEL = See 29 CFR 1910.1000

Tables Z-1-A and Z-3. (OSHA)

(For Total dust with OVER 1.0% quartz):

Respirable quartz not to exceed TLV of 0.1 mg/cu meter
 in the respirable dust.

PEL = See 29 CFR 1910.1000

Tables Z-1-A and Z-3. (OSHA)

 SOURCE: ACGIH TLV's- Threshold Limit Values for Chem. Substances.

EFFECTS OF EXPOSURE:**Acute:**

No acute effects. Brief exposures above the 8-hr Threshold Limit Value (TLV) should pose no acute health risks.

Chronic:

As is true with any kaolin clay, long term overexposure to high concentrations of this dust without the use of a dust mask may produce X-ray evidence of dust in the lungs. Continued long term overexposure may affect respiratory function in some individuals.

 NOTE: The above hazard determination is based on UNTREATED calcined kaolin dust.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Unknown.

EMERGENCY AND FIRST AID PROCEDURES:

Skin- No special precautions; flush with water.
 Eye- No special precautions; flush with water.
 Ingestion- No special precautions.
 Inhalation- No special precautions.

SECTION V: FIRE & EXPLOSION HAZARDS

(Flammability Classification)**Unusual Fire and Explosion Hazards:**

Not a fire or explosive hazard in either the powder or slurry form.

Special Firefighting Procedures:

None.

SECTION VI: REACTIVITY DATA

Conditions to Avoid:

NONE

Hazardous Polymerization: N/A**Conditions to Avoid:**

NONE

Hazardous Decomposition: N/A**Conditions to Avoid:**

NONE

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Aquatic Toxicity:

(96 hour TLM)

Aluminum III Silicate (2:1) -- over 1,000 ppm (insignificant hazard).

Hydrated Aluminum Silicate (Kaolin) -- Not listed.

SOURCE: Registry of Toxic Effects of Chemicals (July, 1980).

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.

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.

Precautions to be Taken in Handling and Storing:

No special precautions.

Additional Information:

NEUTRALIZING CHEMICALS: None Required.

SECTION VIII: SPECIAL PROTECTION INFORMATION

Ventilation:

For dusty conditions use sufficient area ventilation.

Use local exhaust if Threshold Limit Values (TLV's) are exceeded.

Personal Protective Equipment:

EYE: Non-essential, but desirable.

GLOVES: Non-essential.

OTHER: None.

RESPIRATORY PROTECTION: For dusty conditions wear a dust mask approved by NIOSH.

SECTION IX: SPECIAL PRECAUTIONS

Precautionary Statements/Labeling:

Accumulations on walking surfaces are very slippery when wet.

O S H A / H M I S L A B E L		
HEALTH 0	*	No Acute Effects.
FLAMMABILITY 0		None.
REACTIVITY 0		None.
MAX PERSONAL PROTECTION E	*	Dust Mask.
CALCINED KAOLIN	CAS# 66402-68-4	98.75 %
***** *CAUTION: PROLONGED BREATHING OF EXCESSIVE DUST MAY AFFECT LUNG FUNCTION. USE DUST MASK IN DUSTY AREAS. ***** J.M. HUBER CORP. - CLAY DIVISION - MACON, GA 31298 (912) 745-4751		

HMIS CODE: 0=Minimal ; 1=Slight ; 2=Moderate ; 3=Serious ; 4=Severe

Additional Regulatory Concerns:

CPSC: None.
 USDA: None.
 DOT : IATA: Not restricted.
 FDA : No approvals known.

OSHA

Has this product or any of its ingredients in concentrations above 0.1% been reported as a carcinogen in:

NTP? NO IARC Mono? NO OSHA Reg? NO

TSCA

Is this product, or all of its ingredients certified for inclusion on the Toxic Substances Control Act Inventory of Chemical Substances? YES

SARA304: No. SARA311: Yes.** SARA312 : Possibly
 SARA313: No. NJRTK : Yes. CAPROP65: No.
 CANDSL : Yes. ECOIN : Yes. ACOIN : Yes.
 RCRA : No.

STATE : Consult Local and State Hazard Communication Regulations.

Additional Information:

** Sara311: Listed. ACGIH TLV assigned.