



**ENGINEERED  
MINERALS**

J.M. Huber Corporation

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J. M. HUBER

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**MATERIAL SAFETY DATA SHEET**

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Doc#: 930803-0254

**SECTION I: IDENTIFICATION**

Group Name : CTK08  
 : SULFUR-FUNCTIONAL TREATED WRENS WW  
 Trade Name : NUCAP 190M ®  
 Chemical Name : CHEMICALLY TREATED HYDRATED ALUMINUM SILICATE (KAOLIN)  
 (Synonyms) : (CHEMICALLY TREATED KAOLIN CLAY; CHEMICALLY TREATED CHINA CLAY)  
 Manufacturer : J. M. Huber Corporation  
 Clay Division  
 Address : One Huber Road  
 City, State, Zip: Macon, GA 31298  
 Telephone Number: 912-745-4751

**SECTION II: HAZARDOUS INGREDIENTS**

INGREDIENTS:	CAS #	Min	Max
KAOLIN	1332-58-7	96.50 %	98.60 %
TITANIUM DIOXIDE	13463-67-7	0.90 %	2.50 %

\* \* \* \* \*  
 Kaolin is a naturally occurring mineral substance containing many ingredients in small but varying amounts.  
 \* \* \* \* \*

**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: 03-AUG-93  
 For Routine Inquiries Contact: Technical Services Dept. ; Tech Service Coordinator ; 912-745-4751

*[Signature]* 8/3/93

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

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**SECTION II.A: OTHER INGREDIENTS**

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

**\*\*CRYSTALLINE SILICA (QUARTZ)--Contains less than 0.1%.**

**\*\*Sulfur-functional Silane:** The exact chemical identity and concentration of this treatment additive are confidential. The pure additive is moderately toxic by ingestion and skin absorption. Eye or skin contact causes irritation.

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**SECTION III: PHYSICAL CHARACTERISTICS**

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<b>PHYSICAL DATA:</b>	<b>Qty</b>	<b>Units</b>	<b>Text</b>
<b>Specific Gravity:</b>	2.61		
<b>Melting Point:</b>	1700	DEGC	
<b>pH Concentration:</b>			5.0 - 6.5 at 28% solids.
<b>Solubility Data:</b>			Negligible.
<b>Appearance and Odor:</b>			
			White powder with negligible odor.

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**SECTION IV: HEALTH HAZARD DATA**


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**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.

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NOTE: The above hazard determination is based on UNTREATED 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.

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**SECTION V: FIRE & EXPLOSION HAZARDS**


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(Flammability Classification)

**Unusual Fire and Explosion Hazards:**

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

**Special Firefighting Procedures:**

None.

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**SECTION VI: REACTIVITY DATA**

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**Conditions to Avoid:**

NONE

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

NONE

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

NONE

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**SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE**

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**Aquatic Toxicity:**(96 hour TL<sub>m</sub>)

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.

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**SECTION VIII: SPECIAL PROTECTION INFORMATION**

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**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.
KAOLIN	CAS# 1332-58-7	96.50 %	98.60 %
TITANIUM DIOXIDE	CAS# 13463-67-7	0.90 %	2.50 %
*****			
*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.