

## **HYDRATED ALUMINA**

### **MSDS Number**

CBPKX

### **National Stock Number**

6810-00N071778

### **Product Name**

HYDRATED ALUMINA

### **Manufacturer**

WHITTAKER CLARK AND DANIELS INC

### **Product Identification**

Product ID:HYDRATED ALUMINA

MSDS Date:01/01/1996

FSC:6810

NIIN:00N071778

MSDS Number: CBPKX

### **Responsible Party**

WHITTAKER, CLARK & DANIELS INC

100 COOLIDGE ST

SOUTH PLAINFIELD , NJ 07080

US

Emergency Phone: 908-561-6100

Info Phone: 908-561-6100

Cage: GO100

### **Contractor**

WHITTAKER, CLARK & DANIELS INC

SOUTH PLAINFIELD, NJ 07080

US

(908) 561-6100

Cage: GO100

### **Ingredients**

ALUMINUM HYDROXIDE

CAS: 21645-51-2

RTECS: BD0940000

Fraction By Weight: 64.5-67%

OSHA PELN/K

ACGIH TLV: N/K

### **LOSS ON IGNITION**

Fraction By Weight: 34.5%

OSHA PELN/K

ACGIH TLV: N/K

### **Hazards**

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: MAY CAUSE MECHANICAL IRRITATION.  
SKIN: MAY CAUSE SLIGHT IRRITATION. INHALATION: LOW HEALTH RISK BY  
INHALATION AND SHOULD BE TREATED AS A NUISANCE DUST AS SPECIFIED BY  
THE ACGIH. THIS PRODUCT CONTAINS TOTAL SILICON AT TOTAL SILICON CONTENT INCLUDES METAL SILICATES, AMORPHOUS AND (EFTS  
OF OVEREXP)  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:HLTH HAZ: CRYSTALLINE SILICA. NO ANALYTICAL  
METHOD EXISTS TO DETECT & DIFFERENTIATE BETWEEN AMORPHOUS &  
CRYSTALLINE SILICA & OTHER SILICATES AT CHEMISTRY OF BAUXITE DERIVED PRODUCTS, CRYSTALLINE SILICA IS NOT  
EXPECTED TO BE PRESENT IN THIS PRODUCT.  
Medical Cond Aggravated by Exposure:ASTHMA, CHRONIC LUNG DISEASE AND  
SKIN RASHES.

## First Aid

First Aid:EYES:FLUSH EYES W/PLENTY OF WATER FOR AT LEAST 15 MIN.  
CONSULT MD IF IRRITATION PERSISTS. SKIN: WASH W/SOAP & WATER FOR AT  
LEAST 15 MIN. CONSULT MD IF IRRITATION PERSISTS. INHAL: REMOVE TO  
FRESH AIR. IF BREATHING IS LABORED OR STOPPED, GIVE ARTIFICIAL  
RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION. INGEST: IF SWALLOWED,  
DILUTE W/LARGE AMOUNTS OF WATER. DO NOT INDUCE VOMITING. CONSULT MD  
IMMEDIATELY.

## Fire Fighting

Flash Point:NONE  
Extinguishing Media:USE EXTINGUISHING AGENT APPLICABLE TO SURROUNDING  
FIRE.  
Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE  
EQUIPMENT .  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

## Accidental Release

Spill Release Procedures:SMALL/LARGE SPILL: CLEAN UP USING DRY  
PROCEDURES; AVOID DUSTING. COLLECT IN CONTAINERS OR BAGS. IF REUSE  
OR RECYCLING IS NOT POSSIBLE, MATERIAL MAY BE DISPOSED OF AT A  
SANITARY LANDFILL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:AVOID DUSTING AND CONTACT WITH EYES  
AND SKIN. DO NOT INHALE DUST. KEEP MATERIAL DRY.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

## Exposure Controls

Respiratory Protection:NIOSH APPROVED DUST RESPIRATOR IF OVEREXPOSURE  
POTENTIAL EXISTS.  
Ventilation:USE WITH ADEQUATE VENTILATION TO MEET LISTED EXPOSURE  
LIMITS.  
Protective Gloves:APPROPRIATE IMPERVIOUS GLOVES.  
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .  
Other Protective Equipment:ANSI APPROVED EYE WASH & DELUGE SHOWER .  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
PH: 8.5 - 10.2 (20% SOLN).

## Chemical Properties

Melt/Freeze Pt:M.P/F.P Text:3700F,2038C  
Spec Gravity:2.4  
pH:SUPDAT  
Solubility in Water:INSOLUBLE  
Appearance and Odor:WHITE OR OFF WHITE CRYSTALLINE POWDER; NO ODOR.

## Stability

Stability Indicator/Materials to Avoid:YES  
NONE.  
Stability Condition to Avoid:WHEN EXPOSED TO FIRE OR HEAT, HYDRATED

ALUMINA LOSES ITS WATER OF CRYSTALLIZATION BEGINNING AT 392F(200C).  
Hazardous Decomposition Products:NONE.

## **Disposal**

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS . COLLECT IN CONTAINERS, BAGS OR COVERED DUMPSTER BOXES. IF REUSE OR RECYCLING IS NOT POSSIBLE, MATERIAL MAY BE DISPOSED OF IN A SANITARY LANDFILL.

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