

ALCOA ALUMINA & CHEMICAL, L.L.C. -- ACTIVATED ALUMINAS, F200 -- 6850-01-468-4424

===== Product Identification =====

Product ID:ACTIVATED ALUMINAS, F200

MSDS Date:01/15/1999

FSC:6850

NIIN:01-468-4424

Status Code:A

MSDS Number: CLQLV

=== Responsible Party ===

Company Name:ALCOA ALUMINA & CHEMICAL, L.L.C.

Address:425 SIXTH AVENUE

City:PITTSBURGH

State:PA

ZIP:15219-1850

Country:US

Info Phone Num:412-553-4649

Emergency Phone Num:1-703-527-3887 1-800-424-9300

Chemtr

ec Ind/Phone:(800)424-9300

CAGE:TO281

=== Contractor Identification ===

Company Name:ALCOA ALUMINA & CHEMICAL, L.L.C.

Address:425 SIXTH AVENUE

Box:City:PITTSBURGH

State:PA

ZIP:15219-1850

Country:US

Phone:412-553-4649

CAGE:TO281

Company Name:CEPEDA ASSOCIATES INC

Address:1110 DECIMAL DR

Box:City:LOUISVILLE

State:KY

ZIP:40299-2440

Country:US

CAGE:60756

===== Composition/Information on Ingredients =====

Ingred Name:ALUMINUM OXIDE

CAS:1333-84-2

< Wt:97.

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Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:ALUMINA IS A LOW HEALTH RISK AND SHOULD BE TREATED AS A NUISANCE DUST AS CLASSIFIED BY ACGIH.SKIN: CAN CAUSE MILD IRRITATION. EYE: CAN CAUSE MILD IRRITATION. INHALATION: CAN CAUSE MILD UPPER RESPIRATORY TRACT IRRITATION. INGESTION: CAN CAUSE MILD IRRITATION.

Explanation of Carcinogenicity:NOT RATED AS CARCINOGEN BY NTP OR IARC.

Effects of Over exposure:SKIN: CAN CAUSE MILD IRRITATION. EYE: CAN CAUSE MILD IRRITATION. INHALATION: CAN CAUSE MILD UPPER RESPIRATORY TRACT IRRITATION. INGESTION: CAN CAUSE MILD IRRITATION.

Medical Cond Aggravated by Exposure:ASTHMA, CHRONIC LUNG DISEASE, AND SKIN RASHES.

===== First Aid Measures =====

First Aid:AFTER INHALATION: REMOVE TO FRESH AIR. CHECK FOR CLEAR AIRWAY, BREATHING, AND PRESENCE OF PULSE. PROVIDE CARDIOPULMONARY RESUSCITATION FOR PERSONS WITHOUT PULSE OR RESPIRATIONS. CONSULT A PHYSICIAN. AFTER SKIN CONTACT: WASH WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN. AFTER EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN. AFTER SWALLOWING: DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO A CONVULSING OR UNCONSCIOUS PERSON. IF SWALLOWED, DILUTE BY DRINKING LARGE AMOUNTS OF WATER. CONSULT A PHYSICIAN.

===== Fire Fighting Measures =====

Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:SUITABLE EXTINGUISHING AGENTS
Fire Fighting Procedures:USE FIRE FIGHTING MEASURES THAT SUIT THE ENVIRONMENT. WEAR SELF-CONTAINED RESPIRATORY PROTECTIVE DEVICE. WEAR FULLY PROTECTIVE SUIT.
Unusual Fire/Explosion Hazard:AUTO-IGNITION: PRODUCT NOT SELF-IGNITING. PRODUCT DOES NOT PRESENT AN EXPLOSION HAZARD.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE CLOTHING. MEASURES FOR
ENVIROMENTAL PROTECTION: NO SPECIAL MEASURES REQUIRED. CLEAN UP
USING DRY PROCEDURES; AVOID DUSTING. NO DANEROUS SUBSTANCES ARE
RELEASED.

===== Handling and Storage =====

Handling and Storage Precautions:ENSURE GOOD VENTILATION/EXHAUST AT THE
WORKPLACE. PREVENT FORMATION OF DUST. PROVIDE SUCTION EXTRACTORS IF
DUST IS FORMED. KEEP MATERIAL DRY.

Other Precautions:NO SPECIAL M
EASURES ARE REQUIRED.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE SUITABLE RESPIRATORY PROTECTIVE DEVICE IN
CASE OF INSUFFICIENT VENTILATION. SHORT TERM FILTER DEVICE: FILTER
P2.

Ventilation:USE SUITABLE RESPIRATORY PROTECTIVE DEVICE IN CASE OF
INSUFFICIENT VENTILATION.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:SAFETY GLASSES

Work Hygienic Practices:DO NOT INHALE DUST. AVOID CONTACT WITH THE
EYES.

Supplemental Safety
and Health

COMPONENTS WITH LIMITS THAT REQUIRE MONITORING AT THE WORKPLACE:
133-84-2 ALUMINUM OXIDE (NON FIBROUS), OSHA:15 TOTAL, 5 RESPIRABLE
MG/M3. TLV:10 MG/M3

===== Physical/Chemical Properties =====

HCC:T6

Boiling Pt:B.P. Text:UNDETERMINED

Melt/Freeze Pt:=-2038.C, #####F

Vapor Density:0.62-0.83

pH: @20C 9.4-10.1

Solubility in Water:INSOLUBLE

Appearance and Odor:WHITISH CRYSTALLINE

POWDER,GELATINOUS,BALLS,GRANULES,PELLETS.ODOR:CHARACTERISTI

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===== Stability and Reactivity Data =====

Stability Condition to Avoid:HEATING OCCURS WHEN WATER IS ADDED.
Hazardous Decomposition Products:NO DECOMPOSITION IF USED ACCORDING TO SPECIFICATIONS. NO DANGEROUS DECOMPOSITION PRODUCTS KNOWN.
NON-CORROSIVE.

===== Toxicological Information =====

Toxicological Information:PRIMARY IRRITANT EFFECT: ON THE SKIN CAN CAUSE MILD IRRITATION, ON THE EYES CAN CAUSE MILD IRRITATION.
INHALATION: CAN CAUSE MILD UPPER RESPIRATORY TRACT IRRITATION.
INGESTION: CAN CAUSE MILD IRRITATION. ADDITIONAL TOXICOLOGICAL INFORMATION: THE PRODUCT IS NOT SUBJECT TO CLASSIFICATION ACCORDING TO THE CALCULATION METHOD OF THE GENERAL EU CLASSIFICATION GUIDELINES FOR PREPARATION AS ISSUED IN THE LATEST VERSION.

===== Ecological Information =====

Ecological:WATER HAZARD CLASS 0 (GERMAN REGULATION) (SELF ASSESSMENT):
GENERALLY NOT HAZARDOUS FOR WATER

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===== Disposal Considerations =====

Waste Disposal Methods:COLLECT IN CONTAINERS, BAGS, OR COVERED DUMPSTER BOXES. IF REUSE OR RECYCLING IS NOT POSSIBLE, MATERIAL MAY BE DISPOSED OF AT AN INDUSTRIAL LANDFILL. EUROPEAN COMMUNITY WASTE DISPOSAL KEY: 16 03 01 5 13 05 UNCLEANNED PACKAGINGS:
RECOMMENDATION: DISPOSAL MUST BE MADE ACCORDING TO OFFICIAL REGULATIONS .

===== MSDS Transport Information =====

Transport Information:PER MANUFACTURER: U.S.A.DOT: NOT REGULATED

===== Regulatory Information =====

SARA Title III Information:SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: NONE. SECTION 311/312 HAZARDOUS CATEGORIES: IMMEDIATE (ACUTE). SECTION 313 TOXIC CATEGORIES: NONE.
Federal Regulatory Information:IN REFERENCE OF TITLE VI OF THE CLEAN AIR ACT OF 1980, THIS MATERIAL DOES NOT CONTAIN NOR WAS IT MANUFACTURED USING OZONE-DEPLETING CHEMICALS. ALL COMPONENTS OF

THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. FOR TSCA INVENTORY REPORTING PURPOSES, CAS NO. 1344-28-1 WAS ASSIGNED FOR ALL FORMS OF ALUMINUM OXIDE INSTEAD OF CAS NO. 1344-84-2. ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE CANADIAN DSL. ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE AICS. ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE MITT. GENERALLY NOT HAZARDOUS FOR WATER.

Disclaimer (provided with this information by the compiling agencies):

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