

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:412-5
53-4649
Emergency Phone Num:1-703-527-3887 1-800-424-9300
Chemtrec 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.

=====
===== 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 Overexposure:SKIN: CAN CAUSE MILD IRRITATION. EYE: CAN CAUSE MILD IRRITATION. INHALATION: CAN CAUSE MILD UPPER RESPIRATORY TRACT IRRITATION. INGESTION: CAN CAUSE MILD IRRITATION.

Medical Conditions 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 ENVIRONMENTAL PROTECTION: NO SPECIAL MEASURES REQUIRED. CLEAN UP USING DRY PROCEDURES; AVOID DUSTING. NO DANGEROUS 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 MEASURES 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

===== 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

===== 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 UNCLEANED PACKAGINGS:
RECOMMENDATION: DISPOSAL MUST BE MADE ACCORDING TO OFFICIAL REGULATIONS .

===== MS
DS 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
MAN

UFACTURED 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):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.