

WASHINGTON MILLS ELECTRO MINERALS CORP. -- BROWN ALUMINUM OXIDE -- 5350-00-230-3251
===== Product Identification =====

Product ID: BROWN ALUMINUM OXIDE

MSDS Date: 02/08/1989

FSC: 5350

NIIN: 00-230-3251

MSDS Number: CDVGK

=== Responsible Party ===

Company Name: WASHINGTON MILLS ELECTRO MINERALS CORP.

Address: 1801 BUFFALO AVENUE

Box: 423

City: NIAGARA FALLS

State: NY

ZIP: 14302

Country: US

Info Phone Num: 800

-424-9300

Emergency Phone Num: 716-278-6763

CAGE: 27715

=== Contractor Identification ===

Company Name: WASHINGTON MILLS ELECTRO MINERALS CORP

Address: 1801 BUFFALO AVE

Box: 423

City: NIAGARA FALLS

State: NY

ZIP: 14302-0423

Country: US

Phone: 716-278-6600

CAGE: 27715

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

Ingred Name: ALPHA-ALUMINA (ALUMINUM OXIDE) (SARA 313)

CAS: 1344-28-1

RTECS #: BD1200000

Fraction by Wt: 96.0%

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 10 MG/M3

ACGIH TLV: 10

MG/M3

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 3.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3
ACGIH TLV:10 MG/M3

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: COUGH, SHORTNESS OF BREATH. SKIN: ABRASIONS. EYES: IRRITATION. CHRONIC: MAY EFFECT BREATHING CAPACITY.

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

First Aid:INHALATION: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION. GET MEDICAL AID. INGESTION: GET MEDICAL AID. SKIN: GET MEDICAL AID. EYE: WASH W/LARGE AMOUNTS WATER. GET MEDICAL AID.

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

Flash Point:NA
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:NA
Fire Fighting Procedures:NONE
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:NORMAL CLEAN UP PROCEDURES. RESPIRATORS MAY BE REQUIRED.

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

Handling and Storage Precautions:HANDLE W/ADEQUATE VENTILATION FOR NUISANCE DUST.

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

Respiratory Protection:AS NEEDED, APPROVED DUST RESPIRATOR.
Ventilation:RECOMMENDED
Protective Gloves:AS DESIRED
Eye Protection:RECOMMENDED
Other

Protective Equipment:NA
Supplemental Safety and Health
NK

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

Boiling Pt:B.P. Text:NA
Melt/Freeze Pt:M.P/F.P Text:3704F,2040C
Vapor Pres:NA
Vapor Density:NA
Spec Gravity:3.95
Evaporation Rate & Reference:NA
Solubility in Water:INSOLUBLE
Appearance and Odor:GRANULAR BROWN TO BLACK, ODORLESS
Percent Volatiles by Volume:NA

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

Stability Indicator/Materials to Avoid:
d:YES
NA
Hazardous Decomposition Products:NA

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

Waste Disposal Methods:STANDARD LANDFILL METHODS CONSISTANT
W/APPLICABLE FEDERAL, STATE, LOCAL LAWS.

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