

PIONEER AIR SYSTEM INC -- ACTIVATED ALUMINAS -- 6850-00-145-0459

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

Product ID:ACTIVATED ALUMINAS

MSDS Date:02/28/1992

FSC:6850

NIIN:00-145-0459

MSDS Number: CHMBC

=== Responsible Party ===

Company Name:PIONEER AIR SYSTEM INC

Address:FLAT FORK ROAD

City:WARTBURG

State:TN

ZIP:37887

Country:US

Info Phone Num:423-346-6693

Emergency Phone Num:423-346-6693

CAGE:1EH27

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= Contractor Identification ===

Company Name:PIONEER AIR SYSTEM INC

Address:FLAT FORK ROAD

Box:City:WARTBURG

State:TN

ZIP:37887

Country:US

Phone:423-346-6693

CAGE:1EH27

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

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS
FORMS) (SARA III)

CAS:1344-28-1

RTECS #:BD1200000

Fraction by Wt: 90 - 95%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SODIUM OXIDE

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AS:1313-59-3
Fraction by Wt: 0.3-0.6%
Other REC Limits:NONE SPECIFIED

Ingred Name:SILICON DIOXIDE (AMORPHOUS)
CAS:67762-90-7
Fraction by Wt: .01-0.2%
Other REC Limits:NONE SPECIFIED

Ingred Name:IRON OXIDE FUME (FE2O3)
CAS:1309-37-1
RTECS #:NO7400000
Fraction by Wt: .03-0.1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 4.0-7.0%
Other REC Limits:NONE SPECIFIED

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Hazard Identification =====

LD50 LC50 Mixture:LD50 3160 MG/KG ORAL (RAT)
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:THE DESICCANT PROPERTIES OF THIS
PRODUCT MAY CAUSE IRRITATION TO THE EYES AND UPPER RESPIRATORY
TRACT.
Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.
Effects of Overexposure:EYE IRRITATION, UPPER RESPIRATORY TRACT
IRRITATION
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures =====

First Aid:NONE SPECIFIED BY MANUFACTURER.

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Fire Fighting Measures =====

Flash Point:NONFLAMMABLE
Extinguishing Media:NONFLAMMABLE.
Fire Fighting Procedures:NONFLAMMABLE.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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Accidental Release Meas

ures =====

Spill Release Procedures:CLEAN UP USING DRY PROCEDURES; AVOID DUSTING.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AWAY FROM MOISTURE.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:WHERE THE EXPOSURE LIMITS IS OR MAY BE EXCEEDED,
USE NIOSH APPROVED RESPIRAT
ORY PROTECTION. SELECT THE APPROPRIATE
RESPIRATOR (DUST RESPIRATO) BASED ON THE ACTUAL OR POTENTIAL
AIRBORNE CONTAMINANTS AND THEIR CONCENTRATIONS PRESENT.
Ventilation:USE WITH ADEQUATE VENTILATION TO MEET EXPOSURE LIMITS
Protective Gloves:NONE SPECIFIED BY MANUFACTURER.
Eye Protection:NONE SPECIFIED BY MANUFACTURER.
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTU
RER.

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

HCC:N1
Boiling Pt:B.P. Text:NOT GIVEN
Melt/Freeze Pt:M.P/F.P Text:3700F,2038C
Vapor Pres:NOT GIVEN
Vapor Density:NOT GIVEN
Spec Gravity:3.2
pH:10
Solubility in Water:INSOLUBLE
Appearance and Odor:OFF WHITE CRYSTALLINE OR GELATINOUS GRANULES,
PELLETS OR POWDER, NO ODOR
Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES
WATER:

GENERATES HEAT.

Stability Condition to Avoid:NONETURE

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:WASTE MAY BE CONSIDERED AS INERT MATERIAL,
SUITABLE FOR LANDFILL.

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