

ZURN INDUSTRIES INC GENERAL AIR DIVISION -- ACTIVATED ALUMINAS -- 6850-00-145-0459
===== Product Identification =====

Product ID:ACTIVATED ALUMINAS

MSDS Date:12/01/1987

FSC:6850

NIIN:00-145-0459

MSDS Number: BDCHH

=== Responsible Party ===

Company Name:ZURN INDUSTRIES INC GENERAL AIR DIVISION

Address:1335 W 12TH STREET

City:ERIE

State:PA

ZIP:16501-1520

Country:US

Info Phone Num:814-453-3651

Emerg

ency Phone Num:814-453-3651

CAGE:26702

=== Contractor Identification ===

Company Name:ZURN INDUSTRIES INC GENERAL AIR DIVISION

Address:1335 W 12TH STREET

Box:City:ERIE

State:PA

ZIP:16501-1520

Country:US

CAGE:26702

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

Ingred Name:ALUMINUM OXIDE

CAS:1333-84-2

Fraction by Wt: 90-95%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM MONOXIDE

CAS:12401-86-4

RTECS #:WC4800000

Fraction by Wt: .3-.6%

Other REC Limits:NONE RECOMMENDE

D

Ingred Name:SILICON OXIDE
CAS:112945-52-5
RTECS #:VV7310000
Fraction by Wt: .01-.20%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:6 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:IRON OXIDE
CAS:1309-37-1
RTECS #:NO7400000
Fraction by Wt: .03-.10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 (FE)
ACGIH TLV:5MG(FE)/M3FUME,B2;95

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-INHALATION:NUISANCE DUST.
ALUMINA MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT. SKIN &
EYES:NOT AN IRRITANT. TOXICITY BY INGESTION:NONE EXPECTED.
Explanation of Carcinogenicity:MANUFACTURER SAIR "N/A" ABOUT
CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE
CARCINOGENIC.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. SKIN & EYES:FLUSH THOROUGHLY
W/WATER FOR AT LEAST 15 MINUTES.

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

Extinguishing Media:PRODUCT IS NON-FLAMMABLE.
Unusual Fire/Explosion Hazard:NOT AN EXPLOSION HAZARD.

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

Spill Release Procedures:VACUUM SPILLED MATERIAL TO AVOID DUSTING.
SWEEP UP OR SHOVEL SPILLED MATERIAL IF VACUUM IS NOT AVAILABLE -
AVOID DUSTING.
Neutralizing A

gent:MFR GAVE NO INFORMATION ON MSDS.

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

Handling and Storage Precautions:STORE MATERIAL IN A DRY LOCATION
BECAUSE OF TENDENCY TO ABSORB MOISTURE.

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

Respiratory Protection:NIOSH - APPROVED DUST-TYPE RESPIRATOR.

Ventilation:USE MECHANICAL (GENERAL) VENTILATION.

Protective Gloves:NOT NORMALLY REQUIRED

Eye Protection:GOGGLES IN DUSTY SITUATIONS

Work Hygienic Pra

ctices:FOLLOW RECOMMENDATIONS IN "PRECAUTIONS FOR SAFE
HANDLING & USE".

Supplemental Safety and Health

NONE

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

HCC:N1

NRC/State Lic Num:NONE

Vapor Density:SEE SUPP

Spec Gravity:3.2

Solubility in Water:NO INFORMATION GIVEN

Appearance and Odor:SOLID OFF-WHITE SPHERES, ODORLESS

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

Stability Indicator/Materials to Avoid:YES

GENERATES HEAT WHEN EXPOSED TO WATER.

S

Stability Condition to Avoid:MFR GAVE NO INFORMATION ON MSDS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:INERT MATERIAL SUITABLE FOR APPROVED LANDFILL
I/A/W ALL LAWS AND REGULATIONS.

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,

e

xpressly 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.