40 S. Linden Street, Duquesne, PA 15110 USA

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MATERIAL SAFETY DATA SHEET COMPLIES WITH 29 CFR 1910.1200. OSHA HAZARD COMMUNICATION RULE

CHEMICAL IDENTITY

LABEL IDENTITY

CHEMICAL NAME/SYNONYMS

ALUMINA POWDER

FORMULA AI2O3

CHEMICAL FAMILY METAL OXIDE

MOLECULAR WEIGHT NA

CAS REGISTRY NUMBER 1344-28-1

HAZARDOUS INGREDIENTS ALUMINUM OXIDE

%: **100** TLV: **10mg/m3** OSHA PEL: **15mg/m3**

PHYSICAL AND CHEMICAL PROPERTIES

COLOR, FORM AND ODOR White odorless powder

BOILING POINT
DENSITY (gm/cc)
VAPOR PRESSURE (mm Hg.)
% VOLATILE BY VOLUME
ND

REACTION WITH WATER ND

EVAPORATION RATE (H20=1)

SOLUBILITY IN WATER Negligible
MELTING POINT (C°)
OTHER ND

FIRE AND EXPLOSION HAZARD DATA

0

FLASH POINT/METHOD NA
AUTOIGNITION TEMPERATURE (°C) NA

FLAMMABILITY
Non flammable
EXTINGUISHING MEDIA
CO2, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES Wear NIOSH/MSHA approved self-

contained breathing apparatus and full

protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS None known.

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HEALTH HAZARD INFORMATION

TOXICITY DATA

No data on this compound

ROUTES OF ENTRY

INHALATION: Yes

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Respiratory Disorders.

EFFECTS OF OVEREXPOSURE (acute and chronic):

INHALATION: Acute irritation to the nose and throat by dust. DERMAL/EYE CONTACT: Acute irritation to the eyes by dust.

CARCINOGENICITY: No NTP: No IARC MONOGRAPHS: No OSHA REGULATE: No

EMERGENCY FIRST AID PROCEDURES: (exit to clean fresh air)

INGESTION: Induce vomiting. Seek medical attention.

INHALATION: Remove victim to fresh air. Administer oxygen, seek medical

attention.

SKIN CONTACT: Brush off and wash with soap and water.

EYE CONTACT: Flush eyes with water for 15 minutes, seek medical attention.

REACTIVITY DATA

STABILITY CONDITIONS CONTRIBUTING TO UNSTABILITY INCOMPATIBILITY (MATERIALS TO AVOID) HAZARDOUS DECOMPOSITION PRODUCTS HAZARDOUD POLYMERZATION CONDITIONS TO AVOID

Stable None known Ethylene oxide, chlorine trifluoride. None known Will not occur ND

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ALUMINUM OXIDE MATERIAL SAFETY DATA SHEET

SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wearing full protective clothing, isolate the area and insure proper ventilation. Vacuum up spill and place in a container for proper disposal.

WASTE DISPOSAL METHOD:

Recycle or dispose in accordance with Local, State and Federal regulations.

SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION NIOSH/MSHA approved respirator

LOCAL EXHAUST Recommended

ND MECHANICAL (general) **SPECIAL** ND

OTHER PROTECTIVE EQUIPMENT Maintain sink, safety shower and eyewash

fountain in the work area. Wear full

protective clothing at all times. PROTECTIVE GLOVES Recommended for prolonged contact.

EYE PROTECTION Safety glasses with side shields

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING/STORAGE:

Store in tightly closed containers in a cool, dry place. Wash hands and face thoroughly.

TRANSPORTATION REQUIREMENTS: No D.O.T. regulations classified.

DOT CLASS: N. C. UN NUMBER: N. C. IMCO CLASS: N.C. OTHER: N. C.

PRECAUTIONARY LABELING NONE

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NA= NOT APPLICABLE

ND= NO DATA FOUND