



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

CHEMICAL IDENTITY

LABEL IDENTITY	ALUMINUM OXIDE
CHEMICAL NAME/SYNONYMS	ALUMINA POWDER
FORMULA	Al₂O₃
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	NA
DENSITY (gm/cc)	NA
VAPOR PRESSURE (mm Hg.)	NA
% VOLATILE BY VOLUME	ND
REACTION WITH WATER	ND
EVAPORATION RATE (H ₂ O=1)	0
SOLUBILITY IN WATER	Negligible
MELTING POINT (C°)	2072
OTHER	ND

FIRE AND EXPLOSION HAZARD DATA

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

Stable

CONDITIONS CONTRIBUTING TO UNSTABILITY

None known

INCOMPATIBILITY (MATERIALS TO AVOID)

Ethylene oxide, chlorine trifluoride.

HAZARDOUS DECOMPOSITION PRODUCTS

None known

HAZARDOUS POLYMERIZATION

Will not occur

CONDITIONS TO AVOID

ND



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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
MECHANICAL (general)	ND
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