

MATERIALS SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: ALU-MIC 1000 15 13 13 / 15 13 14
PRODUCT USE: Alumina Powder 0.05 micron
DISTRIBUTOR'S NAME: MICRO STAR 2000 INC. EMERGENCY PHONE NUMBER: 905-660-1754
DISTRIBUTOR'S ADDRESS: 225 Bradwick Drive, Unit 21
Concord, Ontario
L4K 1K7

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NUMBER	HAZARD CLASSIFICATION
Aluminum Oxide, Al ₂ O ₃	1344-28-1	Non hazardous as defined by the Dept of Transportation, nor is it a good as defined by ICAO for air transportation. PEL: 10mg/m ³ TLV: 10mg/m ³
WHMIS:	Not controlled under WHMIS (Canada)	

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Not listed as a carcinogen by IARC, NTP, or OSHA. May cause slight irritation to skin, eyes and respiratory tract.

POTENTIAL HEALTH EFFECTS:

EYES: Slightly irritating, high concentrations can cause conjunctivitis, not corrosive.
SKIN: Not expected to be a skin irritant. Prolonged or repeated exposure may cause dermatitis and defatting.
INGESTION: Not expected to be toxic by ingestion.
INHALATION: Spray mist or dry may cause congestion, coughing, granuloma in lungs.

SECTION 4 – FIRST AID MEASURES

EYE CONTACT: In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists, seek medical advice.
SKIN CONTACT: Wash affected area with a waterless hand cleaner and/or soap and water. If irritation persists, consult a physician.
INGESTION: If material is swallowed no ill effects expected. If discomfort or pain arises after ingestion, consult a physician.
INHALATION: If inhaled, immediately remove the affected person to fresh air. If discomfort persists, seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT:	N/A
UPPER FLAMMABLE LIMITE (UFL):	N/A
AUTO IGNITION:	N/A
RATE OF BURNING:	N/A
GENERAL FIRE HAZARD:	Product is non-combustible.
HAZARD COMBUSTION PRODUCTS:	None
EXTINGUISHING MEDIA:	Dry chemical, foam, carbon dioxide (CO ₂), water fog
FLAMMABILITY CLASSIFICATION:	None Flammable
FIRE FIGHTING EQUIPMENT / INSTRUCTIONS:	Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES:	Stop the flow of material, if this is without risk
CLEAN-UP PROCEDURES:	Wear appropriate protective equipment and clothing during clean up. Absorb spill with inert material. Shovel material into appropriate container for disposal.
EVACUATION PROCEDURES:	Isolate area. Keep unnecessary personnel away.
SPECIAL PROCEDURES:	No information available for the product.

SECTION 7 – HANDLING AND STORAGE

HANDLING PROCEDURES:	Avoid contact with skin and eyes. Observe food industrial hygiene practices and wash thoroughly after handling.
TECHNICAL MEASURES:	Wok practice should minimize contact
TECHNICAL PRECAUTIONS:	Local exhaust is recommended
STORAGE PROCEDUARES:	Store in tightly closed original container away from incompatible materials.

SECTION 8 – ENGINEERING CONTROL / PERSONAL PROTECTION

ENGINEERING CONTROLS: Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYES/FACE:	Wear safety glasses, chemical goggles, or, a full-face shield.
SKIN:	Use impervious gloves. Use of impervious apron and boots are recommended
RESPIRATORY:	Appropriate NIOSH / MSHA respiratory protection must be provided.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White Powder

ODOR: None

Ph: N/A

PHYSICAL STATE: Solid

MELTING POINT: 3720°F (2050°C)

BOILING POINT: 5391°F (2977°C)

FLASH POINT: N/A

SOLUBILITY (H₂O): Insoluble

VISONCITY: N/A

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: This is a stable material.

CONDITIONS TO AVOID: None specific

INCOMPATIBILITY: Hazardous reactions occur when this product is involved with chlorine trifluoride or ethylene oxide. Chemical relations occur when this product is involved with strong acids and / or strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: None specific

SECTION 11 – TOXICOLOGICAL INFORMATION

INHALATION: Not relevant at normal room temperatures.

SKIN CONTACT: Prolonged contact may cause redness and irritation

EYE CONTACT: May cause temporary eye irritation.

INGESTION: No harmful effects expected in amounts likely to be ingested by accident.

SECTION 12 – ECOLOGICAL INFORMATION

MOBILITY: This product is not soluble in water.

DEGRADABILITY: The degradability of the product has not been stated.

ECOTOXICITY: The product is not expected to be hazardous to the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

ENVIRONMENTAL TOXICITY DATA: See regulatory information below.

WASTE DISPOSAL METHOD: In accordance with all local, state, and federal regulations.

CONTAINER DISPOSAL: In accordance withy all local, state, and federal regulations.

SECTION 14 – TRANSPORTATION INFORMATION

This product is not regulated as hazardous by the Department of Transportation or IATA

SECTION 15 – REGULATORY INFORMATION

PRECAUTIONARY LABEL: None needed

SECTION 16 – OTHER INFORMATION

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SECTION 17 – PREPARATION OF MATERIAL SAFETY DATA SHEET

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