

# SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: ALU-MIC 1000  
PRODUCT USE: Alumina Powder 0.05 micron

15 13 13 / 15 13 14

DISTRIBUTOR'S NAME: MICRO STAR 2000 INC.  
DISTRIBUTOR'S ADDRESS: 225 Bradwick Drive, Unit 21  
Concord, Ontario  
L4K 1K7

EMERGENCY PHONE NUMBER: 905-660-1754

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NUMBER	HAZARD CLASSIFICATION
Aluminum Oxide, Al <sub>2</sub> O <sub>3</sub>	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 <sup>3</sup> TLV: 10mg/m <sup>3</sup>

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 <sub>2</sub> ), 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 (H<sup>2</sup>O):** 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

All statements, technical information and recommendations contained herein are based on tests and data which this company believes to be currently reliable, however, the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under nor a recommendation to practice or infringe any patent of this company or others covering any process, composition or matter or use. Since the company shall have no control of the use of the product described herein, the company assumes no liability for loss or damage incurred from the proper or improper use of such product. The company assumes no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as the suitability of the information for their particular purpose.

## SECTION 17 – PREPARATION OF SAFETY DATA SHEET

PREPARED BY: R. Dickertmann

PHONE NUMBER: 905-660-1754

REVISED: September 1, 2023