

# SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: ALUMINUM POWDER 5.0 mic  
PRODUCT USE: Alumina Powder

15 13 21 / 15 13 22

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	HAZARDOUS CLASSIFICATION	CAS NUMBER
Aluminum Oxide, Al <sub>2</sub> O <sub>3</sub>	PEL: 10mg/m <sup>3</sup> TLV: 10mg/m <sup>3</sup> Non hazardous as defined by the Dept of Transportation, nor is it a dangerous good as defined by ICAD for air transportation	1344-28-1
Propylene Glycol	AIHA WEEL 50PPM titak, 10	000057-44-5
Deionized Water	N/A	7732-18-5

WHMIS : Not controlled by WHMIS (Canada)

## SECTION 3 – HAZARDS IDENTIFICATION

**Emergency Overview:** Not listed as a carcinogen by IARC, NTP, or OSHA. May cause slight irritation to skin and eyes.

### POTENTIAL HEALTH EFFECTS

**EYES:** Slightly irritating, high concentrations can cause conjunctivitis, not corrosive.  
**SKIN:** Not absorbed through skin. Prolonged or repeated contact may cause dermatitis.  
**INGESTION:** May cause irritation of the digestive tract.  
**INHALATION:** Spray mist or dry dust may cause congestion, coughing, granuloma in lungs.

## SECTION 4 – FIRST AID MEASURES

**INHALATION:** If inhaled, immediately remove the affected person to fresh air. Seek medical attention.  
**SKIN CONTACT:** Wash affected area with waterless hand cleaner and/or soap and water. If irritation persists, consult a physician.  
**EYE CONTACT:** In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists, consult a physician.  
**INGESTION:** May cause irritation of the digestive tract.

## SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT:	N/A
UPPER FLAMMABLE LIMIT (UFL):	N/A
AUTO IGNITION:	N/A
RATE OF BURNING:	
GENERAL FIRE HAZARDS:	Product is non-combustible
HAZARDOUS COMBUSTION PRODUCTS:	None
EXTINGUISHING MEDIA:	Dry chemical, foam, carbon dioxide (CO2), water fog
FIRE FIGHTING EQUIPMENT / INSTRUCTIONS:	Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.
METHOD USED:	N/A
LOWER FLAMMABLE LIMIT (LFL):	N/A
FLAMMABILITY CLASSIFICATION:	Non-Flammable

## 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 good industrial hygiene practices and wash thoroughly after handling.
TECHNICAL MEASURES:	Work practice should minimize contact.
TECHNICAL PRECAUTIONS:	Local exhaust is recommended.
STORAGE PROCEDURES:	Store in tightly closed original container in a cool, well-ventilated place away from incompatible materials. Keep from freezing

## SECTION 8 – EXPOSURE 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:	Wear safety glasses, chemical goggles, or, a full-face shield.
FACE:	Wear safety glasses, chemical goggles, or, a full-face shield.
SKIN:	Use impervious gloves. Use of impervious apron and boots are recommended.
RESPIRATORY:	If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH / MSHA respiratory protection must be provided.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Milky-white

**ODOR:** None

**Ph:** 7-8

**PHYSICAL STATE:** Liquid

**MELTING POINT:** 32°F (0°C)

**BOILING POINT:** 212°F (100°C)

**FLASH POINT:** N/A

**SOLUBILITY (H<sub>2</sub>O):** Dispersible

**VISCOSITY:** Medium to high

**SECTION 10 – STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** This is a stable material

**CONDITIONS TO AVOID:** None specific

**INCOMPATIBILITY:** None specific

**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 water soluble and may spread in water systems.

**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 with all local, state, and federal regulations.



**SECTION 14 – TRANSPORTATION INFORMATION**

The product is not regulated as hazardous by the Dept. of Transportation or IATA

**SECTION 15 – REGULATORY INFORMATION**

**PRECAUTIONARY LABEL:** Do not freeze

**SECTION 16 – OTHER INFORMATION**

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**SECTION 17 – PREPERATION OF SAFETY DATA SHEET**

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