

MATERIALS SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: ALU-POL 2000/2800 Colloidal Alumina
PRODUCT USE: Alumina Permanent Suspension

15 15 23 / 15 15 24

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

Mixture of: Water and Abrasives

COMPONENT	CASE NUMBER	HAZARD CLASSIFICATION
Aluminum Oxide, Al ₂ O ₃	1344-28-1	PEL:15mg/m ³ TLV:10mg/m ³ Non hazardous as defined by the Dept of Transportation, nor is it a dangerous good as defined by ICAO for air transportation
Deionized Water	7732-18-5	N/A

WHMIS: Not controlled under WHMIS (Canada)

SECTION 3 – HAZARDS IDENTIFICATION

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

POTENTIAL HEALTH EFFECTS

EYE: 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. Prolonged inhalation or overexposure to dusts may cause irreversible lung damage

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, consult a physician.

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, get immediate medical attention or advice. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

INHALATION: If inhaled, immediately remove the affected person to fresh air. Seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT:	N/A
UPPER FLAMMABLE LIMIT (UFL):	N/A
AUTO IGNITION:	N/A
RATE OF BURNING:	N/A
GENERAL FIRE HAZARDS:	Product is non-combustible
HAZARDOUS COMBUSTION PRODCUTS:	Carbon dioxide (CO ₂), carbon monoxide (CO),
EXTINGUISHING MEDIA:	Dry chemical, foam, carbon dioxide (CO ₂), water fog
FLAMMABILITY CLASSIFICATION:	Non-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 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 – 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 of 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:	White
ODOR:	None
Ph:	-4
PHYSICAL STATE:	Liquid
MELTING POINT:	32° F (0°C)
BOILING POINT:	212°F (100°C)
FLASH POINT:	N/A
SOLUBILITY (H2O):	Dispersible
VISCOSITY:	Low to Medium

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

INAHLATION:	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.

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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

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

SECTION 15 – REGULATORY INFORMATION

Precautionary Label: Do not freeze

SECTION 16 – OTHER INFORMATION

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SECTION 17– PREPARATION OF MATERIAL SAFETY DATA SHEET

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