

MATERIALS SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: ALU-POL 1000 15 15 15 / 15 15 16
PRODUCT USE: Alumina Permanent Suspension 0.1 micron
PRODUCT IDENTIFICATION NUMBER: N.A.V.

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 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	HAZARDOUS PERCENT	CAS NUMBER	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES)
Aluminum Oxide, Al ₂ O ₃	N.A.V.	1344-28-1	4g/kg rabbit skin 20 g/kg rat ingestion	N.A.P

This product is not a hazardous material or hazardous substance defined by the Department of Transportation nor, is it a dangerous good as defined by ICAO for air transport.

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE:	Liquid	SPECIFIC GRAVITY (Water = 1):	1.2
ODOUR AND APPEARANCE:	White, with negligible odor	VAPOUR PRESSURE (mm Hg):	N.A.P.
BOILING POINT:	100 °C / 212 °F	VAPOUR DENSITY (AIR = 1):	N.A.P.
MELTING POINT:	0 °C / 32 °F	EVAPORATION RATE:	<1
SOLUBILITY IN WATER:	Solids: Negligible	(Butyl Acetate = 1)	

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

MEANS OF EXTINCTION:	Water
FLASH POINT AND METHOD:	N.A.P.
AUTOIGNITION TEMPERATURE:	N.A.P.
UPPER FLAMMABLE LIMIT (% BY VOLUME):	N.A.P.
LOWER FLAMMABLE LIMIT (% BY VOLUME):	N.A.P.
SPECIAL FIRE FIGHTING PROCEDURES:	No special procedures
EXPLOSION DATA:	No unusual hazards

SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY:	Stable	CONDITIONS TO AVOID:	No known hazardous instability
INCOMPATIBILITY (Materials to avoid):	Incompatible with hot chlorinated rubber		
REACTIVITY AND UNDER WHAT CONDITIONS:	N.A.P.		
HAZARDOUS DECOMPOSITION PRODUCTS:	No known hazardous decomposition		
HAZARDOUS POLYMERIZATION:	Will not occur		

SECTION 6 – TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY

SKIN CONTACT: Acute overexposure causes skin irritation
INGESTION: No hazard under normal circumstances
INHALATION: Spray mist or dry dust may cause physical irritation to upper respiratory tract. In dry form this material is a nuisance dust and as such does not produce significant organic disease or toxic effects with reasonable exposure.

SKIN ABSORPTION: N.A.P.
EYE CONTACT: May cause eye irritation

EXPOSURE LIMITS: 1985-86 ACGIH classifies alumina as a nuisance dust. See SECTION II.
CARCINOGENICITY: Not listed as a carcinogen by IARC, NTP or OSHA.
TOXICITY DATA: This specific material has not been tested. Data on similar materials as follows:
Rabbit skin LD50: 4g/kg. Rabbit skin irritation index: 0.2 (max. score possible is 8.0)
Rabbit eye irritation index: 6 (max. score possible is 110)
Inhalation: Rats survived exposure to a concentration of 83 mg/l for 1 hour.
Ingestion: Acute oral LD50 in rats: 20 g/kg.

SECTION 7 – PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

PROTECTIVE GLOVES: Rubber or neoprene gloves.
EYE PROTECTION: Chemical splash goggles.
RESPIRATORY PROTECTION: NIOSH/MSHA approved respirator where spray mist may occur.
OTHER CLOTHING OR EQUIPMENT: Barrier cream recommended for person with unusual skin sensitivity.
WORK HYGIENIC PRACTICES: Wash thoroughly after handling.
VENTILATION: MECHANICAL-Adequate ventilation to reduce levels of air contaminant below that which may cause personnel injury or illness.

LEAK AND SPILL PROCEDURE: Flush with water to chemical sewer.
WASTE DISPOSAL: Comply with Federal, State and Local Regulations.
HANDLING AND STORAGE: Avoid direct sunlight during prolonged storage. Keep tightly closed.
OTHER: CANADIAN WHMIS CLASSIFICATION: D2B

SECTION 8 – FIRST AID MEASURES

INHALATION: Remove to fresh air. Seek medical aid.
SKIN CONTACT: Wash with soap and water. If irritation occurs, seek medical aid.
EYE CONTACT: Flush with water for 15 minutes. Seek medical aid.
INGESTION: Not normal route of exposure. No known effects. Seek medical advice.

SECTION 9 – PREPARATION OF MATERIAL SAFETY DATA SHEET

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