

SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: DIAPERM II 15 46 01 to 15 46 08 / 15 47 01 to 15 47 08
PRODUCT USE: Polishing of Metallurgical Specimen 15 49 01 to 15 49 08

PRODUCT TRADE NAME OR COMMON NAME: Diamond Slurries
CHEMICAL FAMILY OR PRODUCT TYPE: Water, Glycol and Diamond Slurry

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

CHEMICAL NAME	APPRX. %	COMMON NAME	REG* (Y/N)	CAS #	P.E.L. (mg/m ³)	TLV (mg/m ³)	CARCIN. (Y/N)
1) Hydroxy Glycol	10 - 20	Hydroxy Glycol	N	56-81-5N/A	N.E*	N.E*	N
2) Water	60-90	Water	N	7732-16-5	None	None	N
3) Diamond	0.2-5.0	Diamond	N	7782-40-3	10	10	N
** None Established	313	Reporting SARA 40	CFR	Part 372			

**subject to EPA section 313 reporting SARA 40 CFR part 372

NE=None Established

Product formulation is Proprietary

No ingredients are known to be hazardous under normal usage.

SECTION 3 – PHYSICAL AND CHEMICAL DATA

BOILING POINT:	110°C	MELTING POINT:	<0C	pH:	9-10
VAPOR PRESSURE:	Negligible	% VOLATILE:	95	VAPOR DENSITY:	N/A
EVAPORATION RATE:	Water	WATER SOLUBILITY:	Soluble	100	SOL. IN
SOLIFICATION POINT	N/A	EVAPORATION RATE:	Water	Formula Weight	not calculated
APPEARANCE & ODOR:	Milky Liquid	IGNITION TEMPERATURE	N/A		
SPECIFIC Gravity	(H2)=1 at 4C)				

SECTION 4 – FIRE –FIGHTING MEASURES

FLASH POINT: N/A (METHOD USED): N/A

FLAMMABLE LIMITS LEL: N/A

UFL: N/A

EXTINGUISHING MEDIA: Co2, Foam, Dry Chemical, Water Spray

HAZARDOUS COMBUSTIONS PRODUCTS: Specific to type of material involved in fire.

SPECIAL FIRE FIGHTING Instructions: Wear a **NOISH** approved positive pressure self-contained breathing apparatus with full protective clothing. Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Fire may produce toxic thermal decomposition products. Wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

SECTION 5 – HEALTH FIRST AID AND MEDICAL DATA

<u>ENTRY ROUTES</u>	<u>ACUTE AND CHRONIC HEALTH AND OVEREXPOSURE EFFECTS</u>	<u>FIRST AID AND MEDICAL INFORMATION</u>
INHALATION	Acute: Irritating to nose and throat. Chronic: Dizziness and	Remove from area. Get medical attention.
INGESTION	Acute and Chronic: Nausea, vomiting, severe nervous system and kidney effects.	Induce vomiting. Immediate medical attention.
SKIN CONTACT:	Irritating to skin.	Wash thoroughly.
EYE:	Acute: Irritating to eye. Chronic: Conjunctivitis.	Flush with water. Get medical attention.
TARGET ORGANS	Acute:	
OTHER POTENTIAL RISKS:	NAIF	NAIF

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Small Spills:

Large Spills

Containment:

Clean up\\Regulatory Requirement

SECTION 7 – HANDLING AND STORAGE

SECTION 8 – PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFIC TYPE): NIOSH approved breathing air equipment or NIOSH approved face mask with organic vapor cartridge and dust or premist filter.

VENTILATION: LOCAL: Maybe adequate if handled in covered equipment.
MECHANICAL (GENERAL): Recommended
OTHER: NAIF

PROTECTIVE GLOVES: Rubber or polyvinyl coated.

EYE PROTECTION: Monogoggles or face shield.

OTHER EQUIPMENT: Eye bath and safety shower.

MEASURES TO BE TAKEN DURING REPAIR MAINTENANCE OF CONTAMINATED EQUIPMENT: See above.

SECTION 9 – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: See above.

OTHER PRECAUTIONS: NAIF

SECTION 10 – FOR COMPANY USE

The information and recommendations set forth herein are taken from sources believed to be accurate as of the data hereof; however MICRO STAR 2000 INC. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.

** NAIF = No applicable information found

*** N/A = Not applicable

SECTION 11 – PREPARATION OF SAFETY DATA SHEET

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REVISED: September 1, 2025