

MATERIALS 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

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. EMERGENCY PHONE NUMBER: 905-660-1754
DISTRIBUTOR'S ADDRESS: 225 Bradwick Drive, Unit 21
Concord, Ontario
L4K 1K7

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) Ethylene Glycol **	30-35	Alkyl Alcohol	Y	107-21-1	50 ppm	50 ppm	N
2) Hydroxy Glycol	1-3	Glycol	N	56-81-5	10	10	N
3) Water	62-67	Water	N	7732-16-5	None	None	N
4) Diamond	.2-.45	Diamond	N	7782-40-1	10	10	N
** Subject to EPA Section	313	Reporting SARA 40	CFR	Part 372			

* Materials are regulated by OSHA 29 CFR 1910.1200. Hazard Communication Standard.
All ingredients are listed under TSCA.

WHMIS: Not controlled under WHMIS (Canada)

SECTION 3 – PHYSICAL AND CHEMICAL DATA

BOILING POINT: 100°C MELTING POINT: N/A SPECIFIC GRAVITY: N/A
VAPOR PRESSURE: Water VOLATILE BY VOL.: 99+ VAPOR DENSITY: NAIF
EVAPORATION RATE: Water WATER SOL.: 100 ALCOHOL SOL.: 100
SOL. IN SOLVENTS: N/A APPEARANCE & ODOR: Milky Liquid

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A (METHOD USED): N/A FLAMMABLE LIMITS LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: N/A EXPLOSION POTENTIAL: N/A
SPECIAL FIRE FIGHTING PROCEDURES: N/A

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.
OTHER POTENTIAL RISKS:	NAIF	NAIF

SECTION 6 – CORROSIVITY AND REACTIVITY DATA

STABILITY: Stable

POLYMERIZATION: Will not occur

INCOMPATIBILITY (Materials to avoid): Strong acids and strong bases.

DECOMPOSITION PRODUCTS: Steam, CO AND CO2 when heated.

CONDITIONS TO BE AVOIDED: See above.

SECTION 7 – STORAGE HANDLING AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: Warn against ingestion. Keep below recommended PEL/TLV. See OSHA CFR 1910.94 (ventilation) and 29 CFR 1910.1000 (air contaminants).

NORMAL USE: See above.

STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Small spills flush with large amounts of water. Larger spills should be collected for disposal.

WASTE DISPOSAL METHOD: Dilute with large amounts of water so slurry can be degraded in a biological waste water plant or incinerated where permitted.

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 MATERIAL SAFETY DATA SHEET

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