PRODUCT: DIAMOND MACHINE COOLANT

Section 01: Chemical Product and Company Identification

Supplier	C.R. Laurence Co., Inc. 2503 E. Vernon Ave. Los Angeles, CA 90058-1826 (323) 588-1281
Preparation Date	01/20/2011
Revision Date	05/20/2015
Catalog Number	DMC5GL, DMC55GL
CAS Number	Mixture
Chemical Formula	Not Applicable/Mixture
Material Use	Glass Grinding Fluid
24 Hour Emergency Number	Chemtrec: 1-800-424-9300 (24 hours).

Section 02: Hazards Identification

Signal Word:	WARNING
Hazards:	H302 Harmful if swallowed. Acute toxicity, Category 4 H316 Causes mild skin irritation. Skin corrosion/irritation, Category 3 H319 Causes serious eye irritation. Serious eye damage/eye irritation, Category 2/2A H335 May cause respiratory irritation. Specific target organ toxicity-single exposure, Category 3
Prevention:	P102 Keep out of reach of children. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. Prolonged or repeated breathing of mists or sprays can lead to respiratory irritation. P262 Do not get in eyes, on skin, or on clothing. P264 Wash skin thoroughly after handling.
Response:	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. P303 + P361 + P352 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. P332 + P313 If skin irritation occurs: Get medical advice/attention. P301 + P315 + P330 + P331 IF SWALLOWED: Get immediate medical advice/attention. Rinse mouth. DO NOT INDUCE vomiting. P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P342 + P313 If experiencing respiratory symptoms, get medical advice/attention.
Disposal:	P501: Dispose of contents/container in accordance with local regulations.

PRODUCT: DIAMOND MACHINE COOLANT

Section 02: Hazards Identification

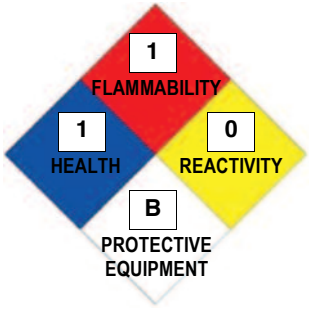
Effects of Acute Exposure	
Eye Contact	Causes severe irritation.
Ingestion	Ingestion may cause nausea, vomiting, diarrhea.
Inhalation	Inhalation of vapors or mists could cause pulmonary irritation, dizziness and nausea.
Skin Contact	May cause irritation.
Effects of Chronic Exposure	
Inhalation	Prolonged or repeated breathing of sprays, mists or dusts in excess of the suggested TLV may cause nasal and respiratory irritations.

Section 03: Composition and Information on Ingredients

Hazardous Ingredients

Ingred / %	Exposure Levels	C.A.S. #	TSCA	Hazard Rating		LD/LC, Route, Species
SODIUM BORATE					*LD/50:*	See Section 11
0.5 - 1.5		1330-43-4	Y	Health:1, Fire:0, React:0, PP:E	*LC/50:*	Not Available
BORIC ACID					*LD/50:*	See Section 11
1 - 5		10043-35-3	Y	Health:1, Fire:0, React:0, PP:E	*LC/50:*	Not Available
MONOETHANOLAMINE					*LD/50:*	See Section 11
1 - 5		141-43-5	Y	Health:3, Fire:1, React:0, PP:H	*LC/50:*	Not Available
TRIETHANOLAMINE					*LD/50:*	See Section 11
1 - 5		102-71-6	Y	Health:2, Fire:1, React:1, PP:H	*LC/50:*	Not Available
4,4-DIMETHYLOXAZOLIDINE					*LD/50:*	See Section 11
0.5 - 1.5		51200-87-4	Y	Health:3, Fire:2, React:0, PP:H	*LC/50:*	Not Available

HMIS Rating (0-4) HEALTH: 1, FIRE: 1, REACTIVITY: 0, PPI: E



Section 04: First Aid Measures

Skin Contact	Remove contaminated clothing and wash affected skin area with soap and water.
Inhalation	Remove person to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Contact a physician promptly.
Ingestion	DO NOT INDUCE vomiting. Call a physician promptly. Give large quantities of water or milk. Never give anything orally to an unconscious or convulsing person.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation persists.

PRODUCT: DIAMOND MACHINE COOLANT

Section 05: Fire and Explosion Data

Flash Range	>200 185.F - 393.F (85.C - 200.56C)
Flammability	IIIB
Fire Hazards	Never use welding or cutting torch on or near drum or container, even empty, because product or residues can potentially ignite explosively.
Explosive Range:	Not Applicable.
Hazardous Combustion Products	Not Available.
Extinguishing Media	Water spray, dry chemical, chemical foam, or carbon dioxide.
Fire Fighting Media and Instructions	Use self-contained breathing apparatus with full facepiece.

Section 06: Accidental Release Measures

Leak/Spill	SMALL SPILLS: Use an inert material (sawdust, kitty litter) or a cellulosic absorbent to absorb spilled product. Flush spill area with plenty of water. LARGE SPILLS: Use caution; spilled material may be extremely slippery. Contain spilled material immediately and prevent from entering the sewer system. Use an appropriate absorbent to absorb spilled product. If available, use liquid vacuum to suction spill into appropriate containers for reuse or disposal.

Section 07: Handling and Storage

Handling	Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid) all hazard precautions given in this data sheet should be observed. Store in cool dry area preferably at 70°F (21°C).
Storage Needs	Store in cool dry area preferably at 70°F.

Section 08: Exposure Control and Personal Protection

Protective Equipment	
Eye/Type	Wear approved splashproof chemical goggles.
Respiratory/Type	None normally required. However, if exposure to airborne concentrations exceeds occupational exposure limits listed in SECTION II, use an appropriate NIOSH-approved respirator for organic vapors and/or particulates in accordance with 29 CFR 1910.134.
Gloves/Type	Neoprene rubber gloves are recommended.
Ventilation Requirements	Use adequate ventilation to keep airborne concentrations below the exposure standard.

Occupational Exposure Limits	TRIETHANOLAMINE	BORIC ACID	4,4-DIMETHYLOXAZOLIDINE	MONOETHANOLAMINE	SODIUM BORATE
ACGIH TLV	5.00 mg/M^3	10.00 mg/M^3	N/est	3.00 PPM	1.00 mg/M^3
ACGIH TLV-C	N/est	N/est	N/est	N/est	N/est
ACGIH STEL	N/est	N/est	N/est	6.00 PPM	6.00 PPM
OSHA STEL	N/est	N/est	N/est	6.00 PPM	N/est
OSHA PEL	3.00 PPM	15.00 mg/M^3	N/est	3.00 PPM	5.00 mg/M^3

PRODUCT: DIAMOND MACHINE COOLANT

Section 09: Physical and Chemical Properties

Physical State	Liquid
Appearance	Yellow
Viscosity (cPs, water=1)	Not Available
Volatility (vol%)	Not Available
Specific Gravity	1.03759
pH	10.2 - 10.61
Solubility in Water	Soluble
Odour	Slight
Odor	This product as delivered is not regulated as a hazardous substance.
Odor threshold (ppm)	Not Available
Vapour Pressure (mm Hg)	17 @ 20C
Vapor Pressure (mm Hg)	(WATER) 17 @ 68°F (20°C)
Vapour Density (air=1)	Non Volatile
Vapor Density (air=1)	Non Volatile
Evaporation Rate (n-butyl acetate=1)	Unavailable
Coefficient of water/oil distribution	Not Available
Boiling Range	210°F-635.7°F (99°C-335.39°C)
Partition Coefficient	Not Available
Freezing Point	Not Available
Melting Point	Not Available
VOC	4%
Flash Point (TCC)	Not Available
Molecular Weight	Mixture
Explosive limits	Not Available
Flammability (solid, gas)	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available

Section 10: Stability and Reactivity Data

Hazardous Polymerization	Will not occur.
Chemical Stability	This product is stable.
Incompatibility	Acids, strong oxidizing agents.
Conditions to Avoid	Acids, strong oxidizing agents.
Reactivity Conditions	Not Available
Hazardous Products of Decomposition (thermal)	Carbon monoxide, carbon dioxide and/or oxides of nitrogen can be liberated at high temperatures.

PRODUCT: DIAMOND MACHINE COOLANT

Section 11: Toxicological Information

Routes of Entry	Ingestion, and/or inhalation of mists or sprays.
Exposure Limits	
LD/50	TRIETHANOLAMINE Oral Rat, adult LD50 7300. mg/kg Skin Rabbit, adult LD50 2000. mg/kg MONOETHANOLAMINE Oral Rat, adult LD50 1720. mg/kg Skin Rabbit, adult LD50 1000. mg/kg BORIC ACID Oral Unknown LD50 2660. PPM Skin Unknown LD50 2. PPM SODIUM BORATE Oral Unknown LD50 3400. PPM Skin Unknown LD50 2000. PPM
TLV/TWA	Not Available
Carcinogenicity	This product does not contain any substance(s) listed as a carcinogen by NTP, IARC, or OSHA.
Teratogenicity/Mutagenicity	None Known
Reproductive Effects	None Known
Synergistic Materials	None Known
Additional Toxicological Data	Toxicological information is not available for product as supplied.

Section 12: Ecological Information

Environmental	Not Available
Ectotoxicological Information	None Known.
Biodegradability	Not Available

Section 13: Disposal Considerations

EPA Hazardous Waste Number	None
Waste Disposal	Product must be disposed of properly under Federal and State regulations for industrial wastes. Recommended disposal is to incinerate material absorbed on cellulosic absorbent. As delivered, this product when spilled, released or disposed of, is a non-hazardous waste as defined in RCRA regulation 40 CFR Part 261.

Section 14: Transport Information

U.N. #	NONE
T.D.G. Classification	NA
D.O.T. Classification	Not Hazardous
WHMIS Classification	D2B

Section 15: Regulatory Information

EEC Classification	Irritant
U.S. Federal Regulations	This product as delivered is not regulated as a hazardous substance.
US TSCA	ALL Ingredients in this product are listed in the T.S.C.A. Inventory

PRODUCT: DIAMOND MACHINE COOLANT

Section 16: Other Information

PLEASE NOTE! DO NOT MIX with other materials unless advised by supplier. PLEASE NOTE! This product contains alkanolamines. DO NOT ADD solutions containing NITRITES or related NITROSATING agents to this material. Potential carcinogenic NITROSAMINES may be formed.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information provided.