

MATERIAL SAFETY DATA SHEET

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Section 1. Chemical Product and Company Identification

Product Code DPDIAM"1	
Product Name DP (N) DIAMOND PASTE, SLURRY & SPRAY OIL BASE	
Manufacturer's Name Mark V Laboratory, Inc.	Emergency Telephone Number CHEMTREC 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 18 Kripes Road	Telephone Number For Information (860) 653-7201
Post Office Box 540	Date Prepared July 1, 2013
East Granby, Connecticut 06026	Signature of Preparer (optional)

Section 2. Composition / Information on Ingredients

Component	CAS Registry #	wt. %	Exposure Limits	
			ACGIH TLV	OSHA PEL
Polyalkylene Glycol	N/A	40-65	None	None
Adipate	N/A	10-25	None	None
Silica	7631-86-9	5-20	10mg/m3	6mg/m3
Ethoxylated Tall Oil	Mixture	2-20	None	None
Diamond	7782-40-1	1-20	10mg/m3	10mg/m3

Section 3. Hazards Identification

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EMERGENCY OVERVIEW

Silica is subject to EPA section 313 reporting SARA 40 CFR part 372
 All components are listed under TSCA

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POTENTIAL HEALTH EFFECTS:

- EYE CONTACT:** May cause irritation.
- INHALATION:** Acute and chronic. Irritating to lungs, can reduce breathing capacity
- SKIN CONTACT:** Repeated or prolonged skin contact may cause irritation
- INGESTION:** May cause gastrointestinal irritation. Nausea and vomiting may occur.
- INHALATION:** Vapor and mist may irritate nose and throat. Prolonged inhalation may cause dizziness.
- PRIMARY ROUTE (S) OF ENTRY:** Inhalation at high temperatures, eye contact, skin contact.
- TARGET ORGANS:** Respiratory passages at high temperatures, eyes, skin.
- MEDICAL CONDITIONS AGGRAVATED BY LONG-TERM EXPOSURE:** Individuals with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of the chemical.
- CARCINOGENICITY:** IARC, NTP, and OSHA do not list this product or it's ingredients as carcinogens.

Section 4. First Aid Measures

- INHALATION:** If symptoms develop, remove affected person from source of exposure into fresh air. Get immediate medical attention.
- EYE CONTACT:** Flush thoroughly with water for 15 minutes. Get immediate medical attention
- SKIN CONTACT:** Remove contaminated clothing and shoes. Wash exposed area with soap and water. Get medical attention if symptoms persist.
- INGESTION:** Get immediate medical attention. **DO NOT** induce vomiting unless instructed to do so by a physician. Give large quantities of water or milk.

Section 5. Fire Fighting Measures

FLAMMABLE PROPERTIES:

FLASH POINT: >200c (est.)

METHOD USED: Estimate

FLAMMABLE LIMITS

LFL: N/A

UFL: N/A

EXTINGUISHING MEDIA: CO2, Foam, Dry Chemical, Water Spray**FIRE & EXPLOSION HAZARDS:** None**FIRE FIGHTING EQUIPMENT:** Self-contained breathing apparatus.

Do not release runoff from fire control into sewers or waterways.

Fire may produce toxic thermal decomposition products.

Section 6. Accidental Release Measures

SMALL SPILLS: Isolate area and deny entry. Ventilate area. Pick up with vermiculite or other absorbent, noncombustible material. Flush with plenty of water.**LARGE SPILLS:** Notify appropriate personnel and implement emergency response plan. Evacuate nonessential personnel, isolate area, provide maximum ventilation.**CONTAINMENT:** For large spills, dike far ahead of liquid spill for later disposal. **DO NOT** release directly into sewers or waterways. Wash walking surfaces to reduce slipping hazard.**CLEANUP:** Absorb spilled liquid with non-reactive absorbent. Use appropriate containers and dispose of according to local, state and federal requirements. Any release may be subject to federal, state and/or local reporting requirements.

Section 7. Handling and Storage

HANDLING PRECAUTIONS: Exercise ordinary care in handling industrial lubricants. Avoid contamination of cigarettes or other tobacco products. Wash hands thoroughly before eating or smoking. Remove contaminated clothing and wash before reuse.**STORAGE REQUIREMENTS:** Do not store in open or unlabeled containers. Store in well ventilated, properly drained/contained site, away from heat, out of the sun, and away from combustibles and reactive chemicals. Protect from freezing.

Section 8. Exposure Controls / Personal Protection

ENGINEERING CONTROLS: Avoid confined spaces. General factory exhaust fan.**RESPIRATORY PROTECTION:** Approved respirator as needed. General factory exhaust fan.**SKIN PROTECTION:** Chemical resistant gloves.**EYE PROTECTION:** Monogoggles

Section 9. Physical and chemical Properties

APPEARANCE:	Paste, may be colored	PHYSICAL STATE:	Solid
ORGANIC SOLVENT SOLUBILITY:	Soluble	SOLUBILITY IN WATER:	Insoluble
EVAPORATION RATE:	N/A	SPECIFIC GRAVITY:	1.05 - 1.2
FORMULA WEIGHT:	N/D	VAPOR DENSITY:	N/D
MELTING POINT:	< -10c	VAPOR PRESSURE:	Negligible
SOLIDIFICATION POINT:	N/A	PH:	9-10
ODOR:	Faint Odor	% VOLATILE:	40-70
DENSITY:	N/A>130c	IGNITION TEMPERATURE:	N/A
BOILING POINT:			

Section 10. Stability and Reactivity

CHEMICAL STABILITY: Stable at room temperature under normal storage and handling.

CONDITIONS TO AVOID: Strong acids and bases. Heat source.

INCOMPATIBILITY: Strong oxidizing materials, hypochlorites, chlorine

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, steam, and unidentified organic compounds in fumes and smoke.

HAZARDOUS POLYMERIZATION: Will Not Occur

Section 11. Toxicological Information

EYE: Eye Irritant. Inconsequential irritation

REPRODUCTIVE: Not reported

SKIN: Practically non-irritating.

ACUTE ORAL: N/A

INGESTION: Not reported

CHRONIC EFFECTS: Not established

ACUTE INHALATION: Headache, nausea, irritation to the nose and throat.

CARCINOGENICITY: Not reported

MUTAGENICITY: Not reported

TERATOGENICITY: Not reported

Section 12. Ecological Information

ECOTOXICITY: this product is bio-degradable

SOIL ABSORPTION/ MOBILITY: Not available

DEGRADABILITY: Biodegradable

ENVIRONMENTAL FATE AND EFFECTS: Not available.

Section 13. Disposal Considerations

DISPOSAL: Follow applicable federal, state and/or local regulations

CONTAINER DISPOSAL: rinse three (3) times with an appropriate solvent or water. Dispose or recycle the empty container.

DISPOSAL REGULATORY REQUIREMENTS: many states classify waste lubricants as "hazardous", which means disposal only by a licensed firm. Follow federal, state, and/or local regulations.

Section 14. Transport Information (Not meant to be all inclusive)

D.O.T. SHIPPING NAME: N/A
TECHNICAL SHIPPING NAME: N/A
D.O.T. HAZARD CLASS: N/A
U.N. / N.A. NUMBER: N/A
PRODUCT RQ (LBS): N/A
D.O.T. LABEL: N/A
D.O.T. PLACARD: N/A
FREIGHT CLASS BULK: N/A
FREIGHT CLASS PACKAGE: N/A
PRODUCT LABEL: DPN1 - 30, DPN21 - 230

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA STATUS: Air contaminant (29CFR 1910.1000, Table Z-1, Z-1-A) No ingredients listed.

TSCA STATUS: Yes (all components)

CERCLA REPORTABLE QUANTITY (40CFR 302): No

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: No

SECTION 311/312 HAZARD CLASS (40 CFR 370)

Immediate (Acute) Health Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Delayed (Chronic) Health Hazard: No

Fire Hazard: No

SECTION 313 TOXIC CHEMICALS (40CFR 372.65): No

SARA EXTREMELY HAZARDOUS SUBSTANCES (40CFR 355): No. No TPQ

RCRA STATUS: No

CALIFORNIA PROPOSITION 65: No

Section 16. Other Information

MSDS STATUS:

NOTE: The information on this data sheet represents our current data and best opinion product in combination with any other product or any other process is the responsibility of the user.