

# MATERIAL SAFETY DATA SHEET

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## Section 1. Chemical Product and Company Identification

Product Code DS05-45"1	
Product Name DS OIL BASE DIAMOND SLURRY	
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 (PAG)	9003-13-8		NAIF	NAIF
Fatty Acid Ester 1	123-79-5		NAIF	NAIF
Fatty Acid Ester 2	61791-00-2		NAIF	NAIF
Colloidal Silica	7631-86-9		NAIF	NAIF
Diamond	7782-40-3		NAIF	NAIF

## Section 3. Hazards Identification

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### EMERGENCY OVERVIEW

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#### **POTENTIAL HEALTH EFFECTS:**

##### **EYE CONTACT :**

Causes moderate to severe irritation.

##### **INHALATION :**

No evidence of adverse effects.

##### **SKIN CONTACT :**

May cause irritation and reddening.

##### **INGESTION :**

No evidence of adverse effects.

##### **CHRONIC EFFECTS / CARCINOGENICITY:**

##### **TERATOLOGY (BIRTH DEFECT) INFORMATION :**

##### **REPRODUCTION INFORMATION :**

Product: Diamond Slurry

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**Section 4. First Aid Measures**

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**INHALATION :**

Remove to fresh air.

**EYE CONTACT :**

Flush thoroughly with water, seek medical attention.

**SKIN CONTACT :**

Wash with soap and water.

**INGESTION :**

No harmful effect expected.

**NOTE TO PHYSICIAN :**

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**Section 5. Fire Fighting Measures**

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**FLAMMABLE PROPERTIES:**

FLASH POINT: 305 Deg F

METHOD USED: Cleveland Open Cup

**FLAMMABLE LIMITS**

LFL: 0.5

UFL: 1.8

**EXTINGUISHING MEDIA :**

CO2, All purpose foam, Dry Chemical

**FIRE & EXPLOSION HAZARDS :**

None

**FIRE FIGHTING INSTRUCTIONS :**

None

**FIRE FIGHTING EQUIPMENT :**

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**Section 6. Accidental Release Measures**

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Small spills can be flushed with large amounts of water. Larger spills should be collected.

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**Section 7. Handling and Storage**

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Avoid open flames, strong acids and temperatures exceeding 305 Deg F. Use adequate ventilation, wash hands.

Wash hand with soap and water after handling.

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**Section 8. Exposure Controls / Personal Protection**

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**ENGINEERING CONTROLS :**

Local ventilation: Avoid confined spaces. Mechanical ventilation: factory exhaust fan.

**RESPIRATORY PROTECTION :****SKIN PROTECTION :**

PVC-Coated Gloves

**EYE PROTECTION :**

Monogoggles. Eye bath and safety shower available.

**EXPOSURE GUIDELINE (S) :**

Product: Diamond Slurry

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**Section 9. Physical and chemical Properties**

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<b>APPEARANCE :</b>	Translucent	<b>PHYSICAL STATE :</b>	
<b>BOILING POINT :</b>	>350 Deg	<b>SOLUBILITY IN WATER :</b>	Aliphatic Hydrocarbons
<b>EVAPORATION RATE :</b>	N/A	<b>SPECIFIC GRAVITY :</b>	@25 Deg C 0.963
<b>FREEZING POINT :</b>		<b>VAPOR DENSITY :</b>	N/A
<b>MELTING POINT :</b>	N/A	<b>VAPOR PRESSURE :</b>	@20 Deg C 0.001
<b>MOLECULAR WEIGHT :</b>		<b>VISCOSITY :</b>	
<b>ODOR :</b>	Low Odor	<b>% VOLATILE :</b>	0
<b>pH :</b>			

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**Section 10. Stability and Reactivity**

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**CHEMICAL STABILITY :**

Stable

**INCOMPATIBILITY :**

Normally un-reactive: However, avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials reactive with hydroxyl compound.

**HAZARDOUS DECOMPOSITION PRODUCTS :**

Burning may produce carbon dioxide, carbon monoxide.

**HAZARDOUS POLYMERIZATION :**

Will not occur.

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**Section 11. Toxicological Information**

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**EYE :****SKIN :****INGESTION :****INHALATION :****SUBCHRONIC :****CHRONIC / CARCINOGENICITY :****TERATOLOGY :****REPRODUCTION :****MUTAGENICITY :****SENSITIZATION :**

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**Section 12. Ecological Information**

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**ECOTOXICOLOGICAL INFORMATION :****DISTRIBUTION :****CHEMICAL FATE INFORMATION :**

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**Section 13. Disposal Considerations**

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Incinerate in a furnace where permitted under appropriate federal, state and local regulation.

Product: Diamond Slurry

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

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

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

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OSHA STATUS :

TSCA STATUS :

CERCLA REPORTABLE QUANTITY :

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES :

SECTION 311/312 HAZARDOUS CATEGORIES :

SECTION 313 TOXIC CHEMICALS :

RCRA STATUS :

CALIFORNIA PROPOSITION 65 :

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**Section 16. Other Information**

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**MSDS STATUS:**

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Mark V Laboratory, 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.