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1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DP & DPN Oil Based Diamond Paste Compound
Part Number: C11806
Manufacturer: Mark V Laboratory
Address: 18 Kripes Rd. City: East Granby, State: CT, Zip:06026
Phone Number: 860-653-7201 Emergency Phone: 888-681-5485
Hazardous Spill Response:

2.0 HAZARD IDENTIFICATION

GHS Classification: Non-Hazardous

IDLH (Immediate Danger to Life and Health): None

Physical Hazards: Not Classified

Health Hazards:

Specific Target Organ Toxicity – Lungs: Repeated Exposure Category 1

Label Elements:



Irritant

Aspiration (Mist)

Signal Word: Warning **Hazard**

Statement(s):

H315: Causes Skin Irritation

H320: Causes Eye Irritation

H333: May be harmful if inhaled

H335: May Cause Respiratory Irritation (Inhalation)

Precautionary Statements:

P210: Keep away from heat/sparks/open flames/ hot surfaces- No smoking

P233: Keep container closed tightly

P404: Store in a closed container

P260: Do not breath dust/fume/gas/mist/vapours/spray

P281: Use protective equipment as required

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3.0 COMPOSITION & HAZARDOUS INGREDIENTS

Precautionary Response:

P305: **IF IN EYES:** Rinse cautiously with water for 15 minutes.

P304+P340: **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call POISON CONTROL CENTER if you feel unwell.

P302+P350: **IF ON SKIN:** Wash gently with soap and water.

P333+313: If skin irritation or a rash persists: Get medical advice/attention

The terms "hazardous" and "hazardous materials" as used within this SDS (EU - MSD) should be interpreted as defined by, and accordance with, the OSHA Hazard Communication Standard (29 CFR 1910:1200) and the EU Occupational Exposure Limits (OEL) REGULATION (EC) No 1272/2008 including cited Appendices, Lists, References, etc., all of which are hereby incorporated by reference and stated below as appropriate.

OECD SIDS documents published by UNEP Chemicals in response to its mandate to facilitate the access to information needed for health and environmental risk assessment of chemicals. The documents contain the information gathered and an Initial Assessment performed under the framework of the OECD HPV Chemicals Programme.

Substance	CAS Number	EC Number	Percent by Weight
Light Mineral Oil	8042-47-5	232-455-8	40.0% - 75.0%
Diamond or cBN	7782-40-3 or 10043-11-5	231-953-2 or 233-136-6	5.0% - 35.0%
Proprietary Ingredients	N/A	N/A	20.0% - 55.0%
Proprietary Non-Hazardous Dye			0.0% - 1.0%

Hazardous Mixtures: None

(See Section 8.0 for Occupational Exposure Limits)

4.0 FIRST AID MEASURES

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First-aid measures general :	If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation:	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact:	Rinse immediately with plenty of water. Gently wash with plenty of soap and water. Obtain medical attention if irritation persists.
First-aid measures after eye contact:	Immediately rinse with water for a prolonged period while holding the eyelids wide open. Seek medical attention if material is embedded in eye. If eye irritation persists: Get medical advice and attention.
First-aid measures after ingestion:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Symptoms/injuries:	Repeated or prolonged inhalation may damage lungs.
Symptoms/injuries after inhalation:	May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
Symptoms/injuries after skin contact:	Prolonged contact with large amounts of dust may cause mechanical irritation. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/injuries after eye contact:	Redness, pain.
Symptoms/injuries after ingestion:	Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea. Respiratory difficulties and lung damage.
Chronic symptoms:	

5.0 FIRE-FIGHTING MEASURES

Fire Hazard:	Not flammable under normal conditions.
Extinguishing Media:	Use ABC type fire extinguisher for surrounding fire.
Special Firefighting Procedures:	None
Unusual Fire and Explosion Hazards:	None
Reactivity:	Hazardous reactions will not occur under normal conditions.
Protective Equipment for Firefighting:	Self-Contained Breathing Apparatus and clothing for chemical fires.
Protection During Firefighting:	Use normal individual fire protective equipment.

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Personal Precautions / Protective Equipment:

Do not touch damaged containers or spilled material unless wearing appropriate protective equipment.

Environmental Precautions: Prevent further leakage or spillage and comply with local, state and federal regulations.

Methods / Materials for Containment & Clean-up:

Large Spills: Dike the spilled area. Absorb with vermiculite, dry sand or earth and place into containers. Flush area with water and dispose accordingly. Section 13 of this SDS.

Small Spills: Liquid product can be wiped up or mopped up and disposed of accordingly.

7.0 HANDLING & STORAGE

Precautions for Safe Handling:

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6.0 ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing and eye/face protection. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid breathing spray or mist.

Conditions for Safe Storage:

Store in original tightly closed container. Keep away from food, drink and animal feeding stuffs. Use care in handling / storage. Store in accordance with local / regional / national / international regulation.

8.0 EXPOSURE CONTROLS & PERSONAL PROTECTION

Control Parameters

Light Mineral Oil- 8042-47-5

ACGIH TWA (mg/m³) 5 mg/m³

ACGIH STEL 10 mg/m³

ACGIH TLV 5 mg/m³

NIOSH REL (TWA) (mg/m) 5 mg/m

OSHA PEL (TWA) (mg/m) 0.2 mg/m

(Mist)

IDLH (mg/m³) NA

OECD SIDS UNEP TLV NA

BAuATGRS 900 NA

TLV: Threshold Limit Value of a chemical substance is a level to which it is believed a worker can be exposed day after day for a working lifetime without adverse health effects.

TWA: (Time Weighted Average - TLV-TWA): average exposure on the basis of a 8h/day, 40h/week work schedule **STEL:** (Short Term Exposure Level) is an employee's 15-minute time weighted average exposure at any time during a work day and cannot be repeated more than 4 times in a day.

Personal Protective Equipment: Wear chemical resistant clothing, chemical goggles and chemical resistant gloves while handling under normal conditions.



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Respiratory Protection: In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment. Use an appropriate NIOSH approved respirator if airborne fume concentrations exceed the appropriate PEL or TLV. Wear air supplied respiratory protection if exposure concentrations are unknown. All requirements set forth in 29CFR1910.134 must be met.

Protective Gloves: Neoprene and Nitrile gloves are recommended. Be cautious as the liquid may penetrate the glove. Frequent change is advisable.

Ventilation: Use local exhaust ventilation which is adequate to limit personal exposure to airborne fumes to levels which do not exceed the appropriate PEL or TLV. If such equipment is not available, use respiratory protection as specified above.

Eye protection: Chemical / splash goggles are recommended. Eye wash station must be present.

Other Equipment: None

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Liquid, Slight Mineral Odor Clear,
Color:	Color Dependent on Size
Physical State:	Liquid
pH:	Not Available
Viscosity:	Not Available
Specific Gravity:	Not Available
Vapor Density:	Not Available
Vapor Pressure:	< 0.1 mm Hg
Melting Point:	Not Available
Boiling Point:	Not Available
Flash Point:	Not Available
Freezing Point:	Not Available
Percent Volatility:	Not Available
Evaporation Rate (baC=1)	Not Available
Solubility in Water:	Not Soluable
Solubility in Oil:	Not Available
Solubility in Solvents:	Not Available

10.0 STABILITY AND REACTIVITY

Reactivity: Hazardous reaction will not occur under normal conditions.

Stability: This composition is stable under normal conditions.

Incompatibility (materials to avoid): Strong Oxidizers

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Hazardous Decomposition Products: Carbon and Nitrogen Oxides.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Strong oxidizing agents. Heat, flames and sparks. Avoid temperatures exceeding the flash point

11.0 TOXICOLOGICAL INFORMATION**Light Mineral Oil- 8042-47-5**

Acute Toxicity – Oral - LD50 – 5000 mg/kg (Rat)

Acute Toxicity: Not Available

Skin Corrosion / Irritant: Irritating to skin.

Serious Eye Damage / Irritant: Eye Irritant

Respiratory / Skin Sensitisation: Not Classified

Germ Cell Mutagenicity: Not Classified

Carcinogenicity: Not Classified

Reproductive Toxicity: Possible reproductive hazard.

Target Organ Toxicity (Single Exposure): May cause respiratory / skin irritation.

Target Organ Toxicity (Repeated Exposure): May adversely affect the liver and kidney based on animal testing.

Aspiration Hazard: Not Classified

Teratogenicity: Avoid contact during pregnancy or while nursing.

12.0 ECOLOGICAL INFORMATION

Ecotoxicity: This product is not expected to be toxic to the environment. Adopt environmental controls to prevent the product from being released into the environment.

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: No information available

No information available

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Mobility in Soil:

Other Adverse Effects:

Environmental hazards cannot be excluded by inappropriate handling or disposal.

13.0 DISPOSAL CONSIDERATION

Do not discharge into storm drains.
Assure RCRA empty by triple rinse containers to remove residue.
Dispose in a safe manner in accordance with local, state and federal regulations.

14.0 TRANSPORT INFORMATION

US DOT Classification: Non-regulated
IMO Classification: Non-regulated
IATA Classification: Non-regulated
Proper Shipping Name: Non-regulated
UN Number: Non-regulated
Packing Group: Non-regulated
Label: Non-regulated
Reportable Quantity: Non-regulated
Hazard Class: Non-regulated

15.0 REGULATORY INFORMATION

U.S. Federal Regulations:
Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA): No reportable quantity for this product.

Toxic Substance Control Act (TSCA):
All of the components of this material are listed on the TSCA Chemical Substances Inventory.

Clean Water Act (CWA):
None listed under sections of the Clean Water Act. Contact your local / state authorities to determine if substances are regulated under their jurisdiction.

Clean Air Act (CAA):
None listed under various sections of the Clean Water Act. Contact your local / state authorities to determine if substances are regulated under their jurisdiction.

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

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This product does not contain chemicals subject to annual release reporting requirements Under SARA Title III, Section 313 (40 CFR 372).

EUROPEAN / INTERNATIONAL REGULATIONS:

Control of Substances Hazardous to Health (COSHH):

Component(s) are listed under various sections of the COSHH regulation. Contact your local authorities to determine if substances are regulated under their jurisdiction.

Scottish Environmental Protection Agency (SEPA):

Component(s) are listed under various sections of SEPA. Contact your local authorities to determine if substances are regulated under their jurisdiction.

Canada:

Components are listed on the Canadian DSL (Domestic Substances List) inventory. WHMIS Classification: Components are not listed.

Hazard Classification

European Union Directives 67/548/EEC and 1999/45/EC

Safety Phrases: S 23 Do not breathe mist
S 24/25 Avoid contact with skin and eyes.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S 38
In case of insufficient ventilation wear suitable respiratory equipment. S 36 Wear suitable protective clothing.

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U.S. STATE REGULATORY INFORMATION: The components of these products are covered under specific State regulations, as denoted below:

CALIFORNIA PROPOSITION 65: This product does not contain chemicals regulated under California Proposition 65.

International Air Transport Authority (IATA): Non-hazardous for air transport.

16.0 OTHER INFORMATION

NFPA health hazard	1 - Exposure would cause irritation with only minor residual injury
NFPA fire hazard	1 - Materials that require considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur
NFPA reactivity	0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health	1 - Irritation or minor reversible injury possible.
Flammability	1 - Materials that must be preheated before ignition will occur.
Physical	0
Personal Protection	E

Reference:

UNEP Publications, OECD SIDS, Chemical Abstract Search (CAS) Database, European Chemicals Agency (ECHA), Workplace Hazard Material Information System (WHMIS)

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EU = European Union; WHMIS=Workplace Hazard Material Information System; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average

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