

SAFETY DATA SHEET

Date: May 2015

Section #1: PRODUCT AND COMPANY IDENTIFICATION

Lapmaster Wolters, LLC

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Telephone: (224) 659-7101 (Office Hours 8:00 a.m. to 5:30 p.m. CST)

24-Hour Emergency Number: Chemtrec – 1-800-424-9300

Product Identification: Oil Soluble Diamond Slurry Series 2210

Product Name: Diamond Slurry Formulation LAP5-DIAS-XXX-PXXX

Product Use: Oil-Base Diamond Slurry for Lapping/Polishing Components

2. Hazards Identification

Aspiration Toxicity, Category 1



GHS Signal Word:	Danger
GHS Hazard Phrases:	H304 - May be fatal if swallowed and enters airways.
GHS Precaution Phrases:	No phrases apply.
GHS Response Phrases:	P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 - Do NOT induce vomiting.
GHS Storage and Disposal Phrases:	P405 - Store locked up. P501 - Dispose of contents/container to ...
Potential Health Effects (Acute and Chronic):	Prolonged or repeated skin contact may cause defatting and dermatitis.
Inhalation:	Low hazard for normal industrial handling.
Skin Contact:	May cause irritation with burning pain, itching and redness.
Eye Contact:	May cause eye irritation. Dust may cause mechanical irritation.
Ingestion:	Aspiration hazard. May cause irritation of the digestive tract. Low hazard for usual industrial handling.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
64742-47-8	Hydrotreated light distillate (petroleum)	67.0 -74.0 %	
64741-44-2	Gas oil	26.0 -31.0 %	
7782-40-3	Diamond	<10.0 %	

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation:	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical aid. Remove from exposure and move to fresh air immediately.
In Case of Skin Contact:	In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.
In Case of Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid. Do NOT allow victim to rub eyes or keep eyes closed. If irritation develops, get medical aid.
In Case of Ingestion:	Potential for aspiration if swallowed. Get medical aid immediately. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water. Get medical aid if irritation or symptoms occur.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:	214.00 F	Method Used:	Pensky-Marten Closed Cup
Explosive Limits:	LEL:		UEL:
Autoignition Pt:	NA		
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or appropriate foam. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use agent most appropriate to extinguish fire.		
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool.		
Flammable Properties and Hazards:			

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Provide ventilation. Avoid generating dusty conditions.
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7. Handling and Storage

Precautions To Be Taken in Handling:	Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Keep away from heat and flame. Wash hands before eating. Minimize dust generation and accumulation.
Precautions To Be Taken in Storing:	Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. No special precautions indicated.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64742-47-8	Hydrotreated light distillate (petroleum)		TLV: 200 mg/m3	
64741-44-2	Gas oil			
7782-40-3	Diamond			

Respiratory Equipment (Specify Type):	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [X] Solid		
Appearance and Odor:	Solid/liquid Mixture. Oily odor.		
pH:	NA		
Melting Point:	NA - 500.00 C		
Boiling Point:	227.00 C - 288.00 C		
Flash Pt:	214.00 F Method Used: Pinsky-Marten Closed Cup		
Evaporation Rate:	NA		
Flammability (solid, gas):			
Explosive Limits:	LEL:		UEL:
Vapor Pressure (vs. Air or mm Hg):	NA		
Vapor Density (vs. Air = 1):	NA		
Specific Gravity (Water = 1):	0.996 - 1.003		
Density:	NA		
Solubility in Water:	NP		
Saturated Vapor Concentration:	NA		
Percent Volatile:			
Autoignition Pt:	NA		
Viscosity:	NA		

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: ignition sources, dust generation.
Incompatibility - Materials To Avoid: Strong oxidizing agents, None.
Hazardous Decomposition or Byproducts: Nitrogen oxides, Carbon monoxide, oxides of sulfur.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:

11. Toxicological Information

Toxicological Information: Epidemiology: No information found.
Teratogenicity: No information available. Reproductive Effects: Mutagenicity:
Neurotoxicity: No information available.
Other Studies:
Carcinogenicity/Other Information: CAS# 64742-47-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7782-40-3:
Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information: Environmental: Exists solely in particulate phase and will eventually settle out.
Physical: No information available.
Other: No information available.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated. Not regulated as a hazardous material.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated. No information available.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64742-47-8	Hydrotreated light distillate (petroleum)	No	No	No
64741-44-2	Gas oil	No	No	No
7782-40-3	Diamond	No	No	No

This material meets the EPA Yes No Acute (immediate) Health Hazard
'Hazard Categories' defined Yes No Chronic (delayed) Health Hazard
for SARA Title III Sections Yes No Fire Hazard
311/312 as indicated: Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

16. Other Information

THIS PRODUCT IS CERTIFIED TO BE RoHS COMPLIANT

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