	1. Product and Company Identification
	CLAPMASTER' WOLTERS
	SAFETY DATA SHEET
Date: Jul	y 2015
1	Section #1: PRODUCT AND COMPANY IDENTIFICATION
501 W. A Mt. Pros Telephor	er Wolters, LLC <u>www.lapmaster.com</u> Igonquin Road pect, IL 60056 ne: (224) 659-7101 (Office Hours 8:00 a.m. to 5:30 p.m. CST) ncy Phone: 24 Hours/Day Chemtrec @ 1-800-424-9300
Product	Identification: METS Diamond Slurry Suspension 4472 Name: Slurry Formulation METS-DSUS-PCD-AP03
	2. Hazards Identification
Serious Eye Damage/Eye Irr	ity (single exposure), Category 1
GHS Signal Word:	Danger
GHS Hazard Phrases:	H225 - Highly flammable liquid and vapor. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. H370 - Causes damage to organs
GHS Precaution Phrases:	 P210 - Keep away from heat/sparks/open flames/hot surfaces No smoking. P233 - Keep container tightly closed. P240 - Ground/bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting// equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
	P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
SHS Response Phrases:	 P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases: GHS Storage and Disposal Phrases:	 P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P302+352 - IF ON SKIN: Wash with plenty of soap and water. P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+311 - If exposed of concerned: Call a POISON CENTER/Doctor/ P337+313 - If eye irritation persists, get medical advice/attention.

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	3. Composition/Information on Ingredients
Ingestion:	May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Low hazard for usual industrial handling. May cause hemoglobinuric nephrosis. May cause changes in surface EEG. May cause irritation of the digestive tract.
Eye Contact:	May cause slight transient injury. May cause eye irritation. Dust may cause mechanical irritation.
Skin Contact:	May be absorbed through damaged or abraded skin in harmful amounts. Allergic reactions have been reported. A single prolonged skin exposure is not likely to result in the material being absorbed in harmful amounts. Repeated exposures may cause problems. Negative results have consistently been obtained in guinea pigs studies for sensitization. 1,,2-Propylene glycol is not considered an occupational skin sensitizer. (CHEMINFO) May cause skin irritation.
Inhalation:	Low hazard for normal industrial handling. Inhalation of a mist of this material may cause respiratory tract irritation. Material has a low vapor pressure at room temperature, so exposure to vapor is not likely. May cause respiratory tract irritation.
	In animal studies, propylene glycol has been shown not to interfere with reproduction.
(Acute and Chronic).	Chronic ingestion may cause lactic acidosis and possible seizures.
Potential Health Effects (Acute and Chronic):	Hazards not otherwise classified (HNOC) or not covered by GHS.
	Supersedes Revision: 07/10/2015

CAS #	Hazardous Components (Chemical Name)	Concentration	
64-17-5	Ethyl alcohol	<55.0 %	
57-55-6	Propylene glycol	<15.0 %	
67-63-0	Isopropyl alcohol	<10.0 %	
7782-40-3	Diamond	<10.0 %	
67-56-1	Methanol	< 8.0 %	

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	4. First Aid Measures
Emergency and First Aid Procedures:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
In Case of Inhalation:	If breathed in, move person into fresh air. Consult a physician. If breathing is difficult, give oxygen.
In Case of Skin Contact:	Wash off with soap and plenty of water. Consult a physician. 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:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. 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:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician. Get medical aid. 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.
Signs and Symptoms Of Exposure:	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Note to Physician:	Persons with impaired kidney function may be more susceptible to the effects of this substance. Treat symptomatically and supportively.
GHS format	

5. Fire Fighting Measures			
> 12.00 F Method Used: Estimate			
LEL: No data. UEL: No data.			
> 371.00 F			
Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use agent most appropriate to extinguish fire.			
Wear self contained breathing apparatus for fire fighting if necessary. Further information: 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 extinguishing media appropriate to surrounding conditions.			
Carbon oxides, No data available.			
6. Accidental Release Measures			
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.			
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.			
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). 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. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation. Avoid generating dusty conditions.			
7. Handling and Storage			
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to preven the build up of electrostatic charge. For precautions see section 2. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Wash hands before eating. Minimize dust generation and accumulation.			
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: -2010 deg.C. Handle and store under inert gas. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture. Hygroscopic. No special precautions			

CAS #	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits		
64-17-5	Ethyl alcohol		PEL: 1000 ppm	TLV: 1000 ppm STEL: 1000 ppm	No data.		
57-55-6	Propylene glycol		No data.	No data.	No data.		
67-63-0	Isopropyl alcohol		PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.		
7782-40-3	Diamond		No data.	No data.	No data.		
67-56-1	Methanol		PEL: 200 ppm	TLV: 200 ppm STEL: 250 ppm	No data.		
(Specify Typ	be):	cartridges as a b protection, use a and approved un	ackup to engineering co full-face supplied air re ider appropriate govern OSHA respirator regula	on (US) or type ABEK (EN ontrols. If the respirator is the spirator. Use respirators ar ment standards such as NI titions found in 29 CFR 191	ne sole means of nd components tested OSH (US) or CEN		
Eye Protecti	under app appropriat		ce shield and safety glasses. Use equipment for eye protection tested and approved der appropriate government standards such as NIOSH (US) or EN 166(EU). Wear propriate protective eyeglasses or chemical safety goggles as described by OSHA's e and face protection regulations in 29 CFR 1910.133 or European Standard EN166.				
Protective G Other Protec	iloves: ctive Clothing:	technique (witho Dispose of conta laboratory practic Material: Nitrile r This recommend and safety office It should not be of Impervious cloth concentration an	ut touching glove's oute minated gloves after us ces. Wash and dry hand ubber Minimum layer th lation is advisory only a r familiar with the specif construed as offering an ing. The type of protecti d amount of the danger	ickness: 0.4 mm. nd must be evaluated by an ic situation of anticipated u approval for any specific u ve equipment must be sele ous substance at the speci	n industrial hygienist se by our customers. use scenario. ected according to the fic workplace.		
		Complete suit pr	otecting against chemic	als. Wear appropriate prote antistatic protective clothing	ective clothing to		
Engineering (Ventilation			or utilizing this material should be equipped with an eyewash facility an Use adequate ventilation to keep airborne concentrations low.				
Work/Hygiei			lance with good industri	al hygiene and safety pract	tian Manh handa		
Practices:		before breaks an	nd at the end of workday		lice. wash hands		

	9. Physical and Chemical Properties
Physical States:	[]Gas [X]Liquid [X]Solid
Appearance and Odor:	Suspension.
	alcohol-like.
Melting Point:	< -97.78 F - 500.00 C
Boiling Point:	> 64.44 F - 187.00 C
Flash Pt:	> 12.00 F Method Used: Estimate
Evaporation Rate:	No data.
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or	No data.
mm Hg):	
Vapor Density (vs. Air = 1):	No data.
Specific Gravity (Water = 1):	No data.
Density:	~ 0.932 G/ML
Solubility in Water:	No data.
Percent Volatile:	No data.
Autoignition Pt:	> 371.00 F
	10. Stability and Reactivity
Reactivity:	No data available.
Stability:	Unstable [] Stable [X]
Conditions To Avoid -	Heat, flames and sparks. Extremes of temperature and direct sunlight. Excess heat,
Instability:	moist air, dust generation.
Incompatibility - Materials To Avoid:	Alkali metals, Strong oxidizing agents, Ammonia, Peroxides, acids, Bases, Acid anhydrides, Aluminum, Halogenated compounds, Acids. None.
Hazardous Decomposition or Byproducts:	Other decomposition products: No data available. In the event of fire: see section 5. Carbon monoxide, Carbon dioxide.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available. Vapors may form explosive mixture with air.

	11. Toxicological Information			
Toxicological Information:	Aspiration hazard: Epidemiology: No information available. Teratogenicity: No information available. Reproductive Effects: Neurotoxicity: Other Studies:			
Irritation or Corrosion:	Skin corrosion/irritation. No data available. Serious eye damage/eye irritation: Provide adequate ventilation.			
Sensitization:	Result: Eyes - rabbit - No data available.			
Chronic Toxicological Effects:	Specific target organ toxicity - single exposure: No data available. Specific target organ toxicity - repeated exposure: Inhalation. Oral. May cause drowsiness or dizziness.			
Carcinogenicity/Other Information:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 57-55-6: 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:	Ecotoxicity: Water flea Daphnia: EC50 10000 mg/L; 48 HrUnspecified, Bacteria: Phytobacterium phosphoreum: EC50 = 710 mg/L; 30 min; Microtox testFish: Goldfish: LC50 5000 mg/L; 24 Hr; UnspecifiedFish: Guppy: LC50 1000 mg/L; 48 Hr; Unspecified If released to water, 1,2-propanediol is expected to degrade relatively rapidly via biodegradation. If released to soil, relatively rapid biodegradation should also occur. Significant leaching in soil can be predicted. If released to the atmosphere, it is degraded rapidly by reaction with photochemically produced hydroxyl radicals (typical half-life of 32 hr). Physical removal from air by rainfall is possible. Physical: No information available. Other: No information available. Exists solely in particulate phase and will eventually settle out.			
Results of PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.			
Persistence and Degradability:	No data available.			
Bioaccumulative Potential:	No data available.			
Mobility in Soil:	No data available.			
	13. Disposal Considerations			
Waste Disposal Method:	 Product: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Contaminated packaging: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the 			
GHS format				

ge	nerators mus			Additionally, waste gulations to ensure complete
	id accurate cla			
	CRA P-Series			
R	CRA U-Series	: None listed.		
	14.	Fransport Informa	ation	
LAND TRANSPORT (US DOT):	1.0.00	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		den i terrette
DOT Proper Shipping Name: DOT Hazard Class:	Flammable 3	liquids, n.o.s. (Ethyl alcoh FLAMMABLE LIQUI		ol, Methanol)
UN/NA Number:	UN1993	Packir	ng Group:	III
LAND TRANSPORT (Canadian 1	rDG):			
TDG Shipping Name:	Not Regulate	ed. No information availab	ole.	
AIR TRANSPORT (ICAO/IATA):				
ICAO/IATA Shipping Name:	Flammable	liquids, n.o.s.		
	15. R	egulatory Inform	ation	

16. Other Information

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