

Hazard Identification:

First Aid:

Ingestion:

SAFETY DATA SHEET

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SDS Revision Date: 8/3/2023 ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards PRODUCT & COMPANY IDENTIFICATION

.1	Product Name:	DEOXIT® GREASE, TYP	E L260DGQP (GRAPHITE	(QUARTZ PARTICLES
.2	Chemical Name:	NA	•	
1.3	Synonyms:	DeoxIT® Grease L260DGQp PART N Part No. L260-DGQ2G (2 grams); Part No. L260-DGQ8TP (226 g)	NOS: Part No. L260-DGQ1 (28 g); Part No. L260-DGQ360 (3.6 Kg);	Part No. L260-DGQ8 (226 g); Part No. L260-DGQ35 (15.9 Kg);
.4	Trade Names:	DeoxIT® Grease Type L260DGQp		
.5	Product Uses & Restrictions:	Lubricant for mechanical and electrical	applications	
.6	Distributor's Name:	CAIG Laboratories, Inc.		
1.7	Distributor's Address:	12200 Thatcher Court, Poway, CA 920	64-6876 USA	
1.8	Emergency Phone:	CHEMTREC: +1 (703) 527-388	37 / +1 (800) 424-9300 (CCN205	5206)
1.9	Business Phone / Fax:	+1 (800) 224-4123		•

2. HAZARDS IDENTIFICATION

This product is classified as a HAZARDOUS SUBSTANCE but not as DANGEROUS GOODS according to the

classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). The highly refined mineral oil contains < 3%

		(w/w%) DMSO extract, according to IP346.	
		DANGER! MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.	
2.2	Label Elements:	Hazard Statements (H): H304 – May be fatal if swallowed and enters airways.	1
		Precautionary Statements (P): P280 – Wear protective gloves and eye protection. P302 + P352 – IF	
		ON SKIN – Wash with plenty of soap and water. P301+P310: IF SWALLOWED: Immediately call a	i
		POISON CENTER or doctor/physician. P331 – Do NOT induce vomiting. P321 – Refer to section 4	i
		of this Safety Data Sheet (First Aid). P305+P351+P338 - IF IN EYES - Rinse continuously with	ı
		water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.	ı
		P405 – Store locked up. P501 – Dispose of contents/container through licensed treatment, storage	i
		or disposal facility.	
2.3	Other Warnings:	KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.	

KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.



3. COMPOSITION & INGREDIENT INFORMATION

								EXP	SURE L	IMITS IN	I AIR (m	g/m³)	
					AC	GIH		NOHS	0		OSHA		
					pp	om		ppm			ppm		
							ES-	ES-	ES-				
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	OTHER
LITHIUM GREASE LUBRICATING BASE OIL	NA	NA	NA	60-100	NA	NA	NF	NF	NF	NA	NA	NA	
CONTAINS ONE OR MORE OF THE	1		1										ı
DISTILLATES (PETROLEUM),	64742-65-0	SE7500000	265-169-7	NA	5	10	NF	NF	NF	100	10	NA	RESP MIST
SOLVENT-DEWAXED HEAVY PARAFFINIC	REACH Reg. No	0. 01-211947129	9-27										
RESIDUAL OILS (PETROLIUM)	64742-01-4	NA	265-101-6	NA	5	10	NF	NF	NF	5	10	NA	RESP MIST
SOLVENT-REFINED	REACH Reg. No. 01-2119488707-21												
DISTILLATES (PETROLEUM),	64741-88-4	PY8040500	265-090-8	NA	5	10	NF	NF	NF	5	10	NA	RESP MIST
SOLVENT-DEWAXED HEAVY PARAFFINIC	REACH Reg. No	. 01-211948870	6-23										
ZING ALIOU DITUIODUOCDUATE	68649-42-3	NA	272-028-3	NA	NA	NA	NF	NF	NF	NA	NA	NA	
ZINC ALKYLDITHIOPHOSPHATE	Not available; Sk	kin Irrit. 2; Eye D	am. 1; Aq. Chro	nic 2; H315	, H318	, H411							
DIT® DDODDIETA DV MIV	TRADE SECRE	Т		NA	NA	NA	NF	NF	NF	NA	NA	NA	
DeoxIT® PROPRIETARY MIX	REACH Reg. No	. Non-Hazardou	s/Proprietary										
CDADUITE	7782-42-5	MD9659600	231-955-3	<50.30	0.2	NA	NF	NF	NF	0.1	NA	100	FUME
GRAPHITE													
SILICA	7631-86-9	VV7565000	231-545-4	<10.0	NA	NA	NF	NF	NF	20	NA	100	FUMED
SILICA		•	•		,	,			•	•	•		

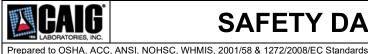
4. FIRST AID MEASURES

		unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.
<u> </u>	Eyes:	Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water
	_ -	for at least 15 minutes lifting upper and lower lids, occasionally.
	Skin:	Wash thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water for at

least 15 minutes. Inhalation: Remove victim to fresh air at once. If breathing difficult, administer oxygen. If breathing stops give

If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an

artificial respiration. Keep person warm, quiet and get medical attention.



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Effects of Exposure: Ingestion: If product is swallowed, may cause nausea, temporary gastrointestinal irritation. vomiting and/or diarrhea. Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Inhalation: None expected. 4.3 Symptoms of Overexposure: Nausea, intestinal discomfort, vomiting and/or diarrhea. Ingestion: Overexposure in eyes may cause redness, itching and watering. Eyes: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Frostbite Skin: like symptoms. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some 44 Acute Health Effects: Non-irritating when used as directed. Moderate irritation to eves and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. Chronic Health Effects: 4.5 None reported by the manufacturer. 4.6 Target Organs: Eyes, Skin 4.7 Medical Conditions Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** 1 Aggravated by Exposure: target organs (eyes, skin). **FLAMMABILITY** 0 PHYSICAL HAZARDS 0 PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO,CO_x). 5.2 Extinguishing Methods: Water, Foam, CO₂, Dry Chemical. Use water spray to cool unopened containers. 5.3 Firefighting Procedures: Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6. ACCIDENTAL RELEASE MEASURES Spills Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer product to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk covered. Wash unintentional residues with soap and warm water. 7.2 Storage & Handling: Store at temperatures between 59 °F and 95 °F (15 °C and 35 °C) in a dry, well-ventilated location. Keep away from heat, sparks, open flame, and other sources of ignition. Container is not designed to contain pressure. Don not use pressure to empty container or it may rupture with explosive force. Normal shelf-life: 2-3 years 7.3 Special Precautions: Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. Empty containers may contain product residues. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

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8. EXPOSURE CONTROLS & PERSONAL PROTECTION											
8.1	Exposure Limits:			GIH		NOHSC			OSHA		OTHER
	ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	5	10	NF	NF	NF	100	10	NA	RESP MIST
		RESIDUAL OILS (PETROLIUM) SOLVENT-REFINED	5	10	NF	NF	NF	5	10	NA	RESP MIST
		DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	5	10	NF	NF	NF	5	10	NA	RESP MIST
		GRAPHITE	0.2	NA	NF	NF	NF	0.1	NA	100	FUME
		SILICA	NA	NA	NF	NF	NF	20	NA	100	FUMED
3.2	Ventilation & Engineering Controls:	When working with large quanti that an eyewash station, sink or							al exhau	ıst vent	lation, fans). Ensu
8.3	Respiratory Protection:	No special respiratory protection necessary, use only respirator §1910.134, or applicable U.S. provinces, E.C. member states,	on is re y proted state	quired untion au regulation	under typion	cal circum er U.S. C	stances of SHA's req	use o uireme	nt in 2	9 CFR	
8.4	Eye Protection:	Wear protective eyewear (e.g. product. Always use protective special hazard; soft lenses may	, safety e eyew	glasse	n cleaning	g spills or					
8.5	Hand Protection:	None required under normal sensitive individuals. When himpervious plastic gloves.	conditio	ns of ເ	use. Howe	ever, may					
8.6	Body Protection:	Impervious plastic gloves. No apron required when handling small quantities. When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.									
		9. PHYSICAI	L & C	HEM	ICAL F	PROPE	RTIES				
9.1	Appearance:	9. PHYSICA	L & C	HEM	IICAL I	PROPE	RTIES				
	Appearance: Odor:		L & C	HEM	IICAL I	PROPE	RTIES				
9.2		Amber / black	L & C	HEM	IICAL I	PROPE	RTIES				
9.2 9.3	Odor:	Amber / black Ethereal / hydrocarbon odor	L & C	HEM	IICAL I	PROPE	RTIES				
9.2 9.3 9.4	Odor: Odor Threshold:	Amber / black Ethereal / hydrocarbon odor NA	L & C	HEM	IICAL I	PROPE	RTIES				
9.2 9.3 9.4 9.5	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling	Amber / black Ethereal / hydrocarbon odor NA NA	L & C	CHEM	IICAL I	PROPE	RTIES				
9.2 9.3 9.4 9.5 9.6	Odor: Odor Threshold: pH: Melting Point/Freezing Point:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F)			IICAL I	PROPE	RTIES				
9.2 9.3 9.4 9.5 9.6	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint:	Amber / black Ethereal / hydrocarbon odor NA NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela			IICAL I	PROPE	ERTIES				
9.2 9.3 9.4 9.5 9.6 9.7	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela			IICAL I	PROPE	ERTIES				
9.2 9.3 9.4 9.5 9.6 9.7 9.8	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg			IICAL I	PROPE	ERTIES				
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA			IICAL I	PROPE	ERTIES				
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72			IICAL I	PROPE	ERTIES				
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72 Insoluble			IICAL I	PROPE	ERTIES				
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow):	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72 Insoluble NA			IICAL I	PROPE	ERTIES				
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.9 9.10 9.11 9.12 9.13	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72 Insoluble NA NA			IICAL I	PROPE	ERTIES				
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72 Insoluble NA NA NA			IICAL I	PROPE	ERTIES				
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.11 9.11 9.13 9.15 9.15	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72 Insoluble NA NA NA NA NA S.4-7.5 cSt			IICAL I	PROPE	ERTIES				
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.11 9.11 9.13 9.14 9.15	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72 Insoluble NA NA NA			IICAL I	PROPE	ERTIES				
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.11 9.11 9.13 9.15 9.15	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72 Insoluble NA NA NA NA NA S.4-7.5 cSt NA	and Ope	en Cup)							
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13 9.14 9.15 9.16 9.17	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72 Insoluble NA NA NA NA S.4-7.5 cSt NA	and Ope	en Cup)							
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13 9.14 9.15 9.17	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72 Insoluble NA NA NA NA NA S.4-7.5 cSt NA	and Ope	en Cup)	& REAC	CTIVIT	Y	ngerou	s press	ure.	
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13 9.14 9.15 9.16 9.17 10.1	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information: Stability: Hazardous Decomposition	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72 Insoluble NA NA NA NA S.4-7.5 cSt NA This product is stable.	and Ope	en Cup)	& REAC	CTIVIT	Y	ngerou	s press	ure.	
9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13 9.14 9.15 9.16 9.17 10.1 10.2 10.3 10.4	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information: Stability: Hazardous Decomposition Products:	Amber / black Ethereal / hydrocarbon odor NA NA NA >240 °C (464 °F) > 244 °C (471 °F) COC (Clevela NA <0.01 mmHg NA 0.72 Insoluble NA NA NA NA This product is stable. Oxides of carbon (CO, CO ₂) and	ABIL d sulfur	ITY 8	& REAC	CTIVIT	Y	ngerou	s press	ure.	



Other Requirements

NA

SAFETY DATA SHEET

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 8/3/2023 11. TOXICOLOGICAL INFORMATION Inhalation: YES Absorption: YES Ingestion: YES 11.1 Routes of Entry: This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is 11 2 Toxicity Data: available for some of the components of the product and is not presented in this document 11.3 Acute Toxicity: Moderate irritation to eyes and skin near affected areas. 11.4 Chronic Toxicity: This material may aggravate any pre-existing skin condition (e.g., dermatitis). Suspected Carcinogen: 11.5 NO. The highly refined mineral oil contains < 3% (w/w%) DMSO extract, according to IP346. 11.6 Reproductive Toxicity: This product is not reported to produce reproductive toxicity in humans. Mutagenicity: This product is not reported to produce mutagenic effects in humans. This product contains Alkyl Dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity in cultured mammalian cells but only at concentrations that were toxic. Embryotoxicity: This product is not reported to produce embryotoxic effects in humans. Teratogenicity: This product is not reported to cause teratogenic effects in humans. Reproductive Toxicity: This product is not reported to cause reproductive effects in humans. 11.7 Irritancy of Product: The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. 11.8 Biological Exposure Indices: NE Physician Recommendations: 11.9 Treat symptomatically. 12. ECOLOGICAL INFORMATION Environmental Stability There is no specific data available for this product. 12.1 Effects on Plants & Animals: 12.2 There are no specific data available for this product. 12.3 Effects on Aquatic Life Ethanol: EC₅₀ (Daphnia magna (water flea), 48h): 7.7 - 11.2 mg/L; LC₅₀ (Pimephales promelas (fathead minnow), 96h) > 100 mg/L; Alkyl Dimethyl Benzyl Ammonium Chloride: LC50 (Morone saxatilis (Striped bass, 96h): 10.4 - 19.1 mg/L 13. DISPOSAL CONSIDERATIONS 13 1 Waste Disposal Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriate disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage and disposal of hazardous waste must be provided by a licensed facility or waste hauler. Special Considerations: 13.2 NA 14. TRANSPORTATION INFORMATION The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. 49 CFR (GND): NOT REGULATED 14.2 IATA (AIR): NOT REGULATED 14.3 IMDG (OCN): NOT REGULATED 14.4 TDGR (Canadian GND): NOT REGULATED 14.5 ADR/RID (EU): NOT REGULATED 14.6 SCT (MEXICO): **NOT REGULATED** 14.7 ADGR (AUS): **NOT REGULATED** 15. REGULATORY INFORMATION This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-know Act of 1986 and of CFR 372; 68649-42-3 Zinc Alkyldithiophosphate 15.1 SARA Reporting Requirements 15.2 SARA Threshold Planning There are no specific Threshold Planning Quantities for the components of this product. Quantity: 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory. CERCLA Reportable Quantity 15.4 NA This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, 15.5 Other Federal Requirements: (Cosmetics) 15.6 Other Canadian Regulations This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state 15.7 State Regulatory Information: criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 4.0

SDS Revision Date: 8/3/2023

	16. OTHER INFORMATION						
16.1	Other Information:	gloves and eye protection. IF ON SKIN – Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Specific Treatment: refer to Section 4 of the Safety Data Sheet (First Aid). IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Store locked up. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.					
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.					
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Laboratories, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; he accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or impli provided. The information contained herein relates only to the specific product(s). If this product(s) is combin other materials, all component properties must be considered. Data may be changed from time to time. Be consult the latest edition.	c CAIG owever, ed, are ed with				
16.4	Prepared for:	CAIG Laboratories, Inc. 12200 Thatcher Court Poway, CA 92064-6876 Tel: +1 (800) CAIG-123 (244-4123) Fax: +1 (858) 486-8398 fax http://www.caig.com/					
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com					



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision Date: 8/3/2023

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists			
IDLH	IDLH Immediately Dangerous to Life and Health			
NOHSC	NOHSC National Occupational Health and Safety Commission (Australia)			
OSHA	U.S. Occupational Safety and Health Administration			
PEL	Permissible Exposure Limit			
STEL	Short Term Exposure Limit			
TLV	Threshold Limit Value			
TWA	Time Weighted Average			

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

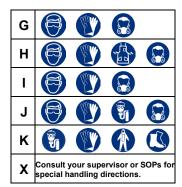
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

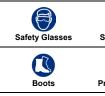
0	Minimal Hazard		
1	Slight Hazard		
2	Moderate Hazard		
3	Severe Hazard		
4	Extreme Hazard		



PERSONAL PROTECTION RATINGS:

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Dust & Vapor Half-Mask Respirator **Full Face Respirator**

Full Face Respirator



OTHER STANDARD ABBREVIATIONS:

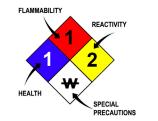
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:				
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition			
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source			
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source			

HAZARD RATINGS:

0	Minimal Hazard	FLAMMAB		
1	Slight Hazard	FLAMMAD		
2	Moderate Hazard	·		
3	Severe Hazard			
4	Extreme Hazard			
ACD	Acidic			
ALK	Alkaline			
COR	COR Corrosive			
W	Use No Water	HEALTH		
ОХ	Oxidizer			
TREFOIL	Radioactive			



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals				
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal				
ppm Concentration expressed in parts of material per million parts					
TD _{Io} Lowest dose to cause a symptom					
TCLo Lowest concentration to cause a symptom					
TD _{Io} , LD _{Io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects				
TC, TCo, LCio, & LCo					
IARC	International Agency for Research on Cancer				
NTP	National Toxicology Program				
RTECS	Registry of Toxic Effects of Chemical Substances				
BCF	Bioconcentration Factor				
TLm	Median threshold limit				
log Kow or log Koc	Coefficient of Oil/Water Distribution				

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System				
DOT	J.S. Department of Transportation				
TC	Transport Canada				
EPA	EPA U.S. Environmental Protection Agency				
DSL	Canadian Domestic Substance List				
NDSL	NDSL Canadian Non-Domestic Substance List				
PSL	Canadian Priority Substances List				
TSCA	U.S. Toxic Substance Control Act				
EU	European Union (European Union Directive 67/548/EEC)				
WGK	Wassergefährdungsklassen (German Water Hazard Class)				

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	®	(2)	(X)	\odot	®		
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

CLP/GHS (1272/2008/EC) PICTOGRAMS:

			\Diamond	A PARTIES AND A		\Diamond		***
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment