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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 5.0 SDS Revision Date: 5/31/2022

		1.	PRODUCT	& COM	PANY	IDE	NTIF	FICA	TIOI	N				
1.1	Product Name:		D-SERIES								חחו י	\		
1.2	Chemical Name:		D-SERIE	3, 100 /6	Soluti	on, c) /0 V		(F/I	וטו	UUL,			
1.3	Synonyms:	NA DecylT® D-Se	ries; PN D100L											
1.4	Trade Names:		0L Part Numbe	ers:										
		Part No. D100 Part No. D100 Part No. D1W Part No. D100 Part No. D100	Ŵ-3X3 (100 wip	Part Part Part pes); Part Part	2C, D100I t No. D10 t No. D10 t No. D50 t No. D10 t No. D10 t No. D10	0L-2DE 0P (6 n W (50 v 0FW-3) 0L-12 (3 (7.4) nl); wipes) X3 (10 (354 m	ml); ; 0 wipe nl);	s);	Part Part Part Part	No. D No. D No. D No. D	100L-P 50FW (100L-2 100L-1	2C (12 i 6C (6 m 50 wipe (59 ml); 3 (384 r 2 (944 r	nl); es); nl);
		Part No. D100		Part	No. D10							100L-S		· · · /,
1.5	Product Use:		nprove electroni				` `	•						
1.6	Distributor's Name:	CAIG Laborato												
1.7	Distributor's Address:		er Court, Poway											
1.8	Emergency Phone:	CHEMTRE	C: +1 (703) 5	27-3887 / ·	+1 (800) 424	-9300) (CC	N205	206)				
1.9	Business Phone / Fax:	+1 (800) 224-4	123											
			0 114	74000 '	DENT	ILIO	A T1/	146						
2.1	Hazard Identification:			ZARDS I										
	TREET TOTALICATION.	classification c	AUSES EYE IR	SC: 1088 (200										
2.2	Label Elements:	Hazard Statem	nents (H): H320	– Causes eve	rritation									
		Hazard Statements (H): H320 – Causes eye irritation. Precautionary Statements (P): P264 – Wash thoroughly after handling. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists: Get medical advice/attention.												
2.3	Other Warnings:	KEEP OUT OF	FREACH OF C	HILDREN										
		3. CO	MPOSITION	ON & INC	REDI	<u>ENT</u>	INF	ORN						
						40	GIH		EXPO NOHSC		IMITS IN	I AIR (mg	/m³)	
							om .		ppm			ppm		
								ES-	ES-	ES-				
	CAL NAME(S)	CAS No.	RTECS No.	NA	100	TLV NA	STEL NA	TWA NF	STEL NF	PEAK NF	PEL NA	STEL NA	IDLH NA	OTHER
Deox	IT® D-Series D100L		No. Non-Hazardou	1	100	14/1	14/1	141	141	141	14/ (14/1	14/ (
		•												
			4. F	FIRST All	D MEA	\SUF	RES							
4.1	First Aid:		ingested, do n IMMEDIATELY. unconscious per estimate of the swallowed.	ot induce vo If the patien rson. Contac	miting. t is vomit t the near	If proceeding, co	duct f ntinue ison C	nas be to offe control	er wate Cente	er or n r or lo	nilk. N cal em	lever g ergend	ive wate y numb	er or milk to an er. Provide an
		I	es are not likely; east 15 minutes noroughly with s	lifting upper	and lowe	r lids, o	ccasic	nally.		·				
		Inhalation: Rer	15 minutes. move victim to f	resh air at on	ce. If bre	athing o	difficul	t, admi	nister				-	
4.2	Effects of Exposure:	respiration. Keep person warm, quiet and get medical attention. Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. 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.												
	Symptoms of Overexposure:			iscomfort vor	miting and	d/or dia	rrhea							
4.3	1	mgonon raassa, mosamar associati, romang anarsi alamba						rina.						
4.3		rves Overexo	Eyes: Overexposure in eyes may cause redness, itching and watering. Skin: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Frostbite like symptoms. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some											
4.3		Skin: Symptor	ms of skin ove	rexposure ma										



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 5.0 SDS Revision Date: 5/31/2022 4. FIRST AID MEASURES - cont'd 4.5 Chronic Health Effects: Non-irritating when used as directed. Overexposure may trigger asthma-like symptoms in some sensitive individuals. May also induce skin sensitization and respiratory hypersensitivity. Possible allergic dermatitis. 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 SKIN **EYES** 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). 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 Equipment. Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills. Small Spills: Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible material such as vermiculite or sand to soak up the product and place into a container for later disposal. Do not use water or a material such as "speedy dry" to soak up material. Sweep up material using non-sparking materials (e.g., plastic brooms, shovels, dustpans) and place into a plastic container or plastic liner within another container. Large Spills: Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. When used as intended, no additional protective equipment is necessary. Use chemical goggles if eye contact is possible. Wash unintentional residues with soap and warm water. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. 7.3 Special Precautions: Clean all spills promptly. Spilled material may present a slipping hazard. **EXPOSURE CONTROLS & PERSONAL PROTECTION** Exposure Limits: ACGIH NOHSC OSHA OTHER ppm (mg/m³) CHEMICAL NAME(S) TLV STEL **ES-TWA** STEL PEAK PEL STEL IDLH NA NA NA NA NA 8 2 Ventilation & Engineering General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station) 8.3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. In instances where dusts of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia. 8.4 Eye Protection: Avoid eye contact. None required under normal conditions of use. Safety glasses could be used when handling or using large quantities of this product. None required under normal conditions of use. However, may cause skin irritation in some sensitive 8.5 Hand Protection: individuals. When handling large quantities (e.g., ≥ 1 gallon (3.8 L)), wear rubber, nitrile or impervious 8.6 Body Protection: No apron required when handling small quantities. When handling large quantities (e.g., ≥ 5 lbs), 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.



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		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance:	Light red
9.2	Odor:	Ethereal / hydrocarbon odor
9.3	Odor Threshold:	NA NA
9.4	pH:	NA NA
9.5	Melting Point/Freezing Point:	NA NA
9.6	Initial Boiling Point/Boiling Range:	>220 °C (428 °F)
9.7	Flashpoint:	>250 °C (482 °F)
9.8	Upper/Lower Flammability Limits:	NA NA
9.9	Vapor Pressure:	< 0.1 mm Hg @ 20 °C (68 °F)
9.10	Vapor Density:	NA NA
9.11	Relative Density:	0.884
9.12	Solubility:	Soluble
9.13	Partition Coefficient (log Pow):	NA NA
9.14	Autoignition Temperature:	NA NA
9.15	Decomposition Temperature:	NA NA
9.16	Viscosity:	5.4-7.5 cSt @ 104 °F
9.17	Other Information:	NA
		10. STABILITY & REACTIVITY
10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.2	Hazardous Decomposition	
	Products:	Oxides of carbon (CO, CO ₂).
10.3	Hazardous Polymerization: Conditions to Avoid:	Will not occur.
40.4		
10.4		Open flames, sparks, high heat, incompatible substances and direct sunlight.
10.4	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers.
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		44 TRANSPORTATION INFORMATION
		14. TRANSPORTATION INFORMATION
	riptive information may be	er, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
14.1	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
15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory or are otherwise exempt.
15.4	CERCLA Reportable Quantity:	NA NA
15.5	Other Federal Requirements:	NA
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. MIS Class D2B (Other Toxic Effects).
15.7	State Regulatory Information:	No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following star criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substance List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minneson 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.
15.8	Other Requirements:	
10.0	Other requirements.	NA
		16. OTHER INFORMATION
16.1	Other Information:	WARNING! CAUSES EYE IRRITATION. Use only as directed. Avoid contact with eyes. In case of accident or if you
		feel unwell seek medical advice immediately (show the label where possible). If skin irritation occurs: get medic
16.2	Terms & Definitions:	advice/attention. KEEP OUT OF REACH OF CHILDREN.
16.3	Disclaimer:	See last page of this Safety Data Sheet.
10.3	Disciallier.	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Oth government regulations must be reviewed for applicability to this product. To the best of ShipMate's & CA Laboratories, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, a provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure consult the latest edition.
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 ShipMate ShipMate Consulting ShipMate



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

SDS Revision: 5.0

SDS Revision Date: 5/31/2022

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	Immediately Dangerous to Life and Health
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

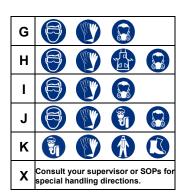
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

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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	Sens Sensitization	
STOT RE	Specific Target Organ Toxicity – Repeat Exposure	
STOT SE	Specific Target Organ Toxicity – Single Exposure	

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	FLAMMABILITY LIMITS IN AIR:		
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition		
LEL	L Lower Explosive Limit - lowest percent of vapor in air, by volume, that 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	FLAMMABILITY
1	Slight Hazard	\
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	─ / ₹ ₩ >
₩	Use No Water	HEALTH 🔪
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

TOXICOLOGICAL INFORMATION:

Lethal Dose (solids & liquids) which kills 50% of the exposed animals
Lethal concentration (gases) which kills 50% of the exposed animal
Concentration expressed in parts of material per million parts
Lowest dose to cause a symptom
Lowest concentration to cause a symptom
Lowest dose (or concentration) to cause lethal or toxic effects
International Agency for Research on Cancer
National Toxicology Program
Registry of Toxic Effects of Chemical Substances
Bioconcentration Factor
Median threshold limit
Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System						
DOT	U.S. Department of Transportation						
TC	Transport Canada						
EPA	U.S. Environmental Protection Agency						
DSL	Canadian Domestic Substance List						
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	(4)	(2)		\odot	(4)		
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			\limits		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment



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SDS-E-DN5S Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 5/31/2022 SDS Revision: 6.3 1. PRODUCT & COMPANY IDENTIFICATION 1 1 Product Name DEOXIT® D-SERIES DN5, 5% SPRAY, NON-FLAMMABLE, VOC COMPLIANT 1.2 Chemical Name: 1.3 Synonyms DeoxIT® D-Series 5% Spray; PN DN5S-6N, DN5S-6N-LMH and DN5S-2N (mini-spray) 1.4 Trade Names: DeoxIT® D-Series 5% Spray; PN DN5S-6N/DN5S-6N-LMH (163 grams), PN DN5S-2N (40 grams) 1.5 Product Use: Deoxidize and improve electrical contacts & connectors 1.6 Distributor's Name: CAIG Laboratories, Inc. 1.7 Distributor's Address: 12200 Thatcher Court, Poway, CA 92064-6876 USA 1.8 Emergency Phone: CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN205206) 1.9 Business Phone / Fax: +1 (800) 224-4123 2. HAZARDS IDENTIFICATION This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification 2 1 Hazard Identification: criteria of NOHSC: 1088 (2004) and ADG Code (Australia). WARNING! PRESSURIZED CONTAINER; MAY BURST IF HEATED. CAUSES EYE IRRITATION. Classification: Aerosols 3, Eye Irrit. 2B 2.2 Label Elements: Hazard Statements (H): H229 - Pressurized container; may burst if heated. H320 - Causes eye Precautionary Statements (P): P210 - Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. P251 - Do not pierce or burn, even after use. P264 - Wash thoroughly after handling. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy. Continue rinsing. P337+P313 - If eye irritation persist: Get medical advice/attention. P403 - Store in a well-ventilated place. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF) Other Warnings: KEEP OUT OF REACH OF CHILDREN. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) **ACGIH** NOHSC **OSHA** ppm ppm ppm ES-ES-ES-RTECS No. TΙV STFI CHEMICAL NAME(S) CAS No. **EINECS No.** STEL TWA STEL **PEAK** PFI IDI H OTHER 102687-65-0 NA NA 60-100 NA NA NF NF NF NA NA NA SOLSTICE® PF REACH Reg. No. 01-2119855084-38 1-PROPENE, 1,3,3,3-29118-24-9 NA NA 15-30 NA NA NF NF NA NA NA NF TETRAFLUORO-, (1E) REACH Reg. No. 01-0000019758-54 NA NA NF NF NF 15 NA NA NA NA 3-7 NA DEOXIT® D100L (TRADE SECRET) REACH Reg. No. Non-hazardous/Proprietary 4. FIRST AID MEASURES If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk First Aid: Ingestion: IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an 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 Splashes are not likely; however, mist may cause irritation. If product gets in the eyes may cause irritation; Eyes: flush with copious amounts of lukewarm water for at least 15 minutes lifting upper and lower lids, occasionally. If irritation persists repeat flushing. Get medical attention. Skin: Wash thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Treat for frostbite if necessary, be gently warming affected area. If irritation, redness or swelling persists, contact a physician immediately. Remove victim to fresh air at once. If breathing difficult, administer oxygen. Gross overexposure may Inhalation: cause central nervous system depression, dizziness, confusion, incoordination, drowsiness, irregular heartbeat accompanied by a strange feeling in the chest, "heart thumping," apprehension, lightheadedness, weakness, fainting, loss of consciousness, and death. 42 Effects of Exposure: Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and Eyes: watering. May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in Skin: some sensitive individuals. Inhalation: Gross overexposure may cause central nervous system depression, dizziness, confusion, incoordination,

drowsiness, irregular heartbeat accompanied by a strange feeling in the chest, "heart thumping,"

apprehension, light-headedness, weakness, fainting, loss of consciousness, and death.



Page 2 of 6 SDS-E-DN5S

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 6.3 SDS Revision Date: 5/31/2022

3	Symptoms of Overexposure:	Ingestion:	Nausea, intesti	nal discomfor	t, vomitin	ng and/or d	iarrhea.						
		Eyes:	Overexposure			•		atering.					
		Skin:	Symptoms of s	kin overexpo	sure ma	y include r	edness,	itching, ar					
			like symptoms	The produc	ct can ca	ause allerg	ic skin r	eactions (e.g., rash	nes, welt	s, derm	natitis) in	n sor
		Inhalation:	individuals. Gross overexp	neure may ca	use cen	tral nervou	e evetem	denressi	on dizzin	ness con	nfusion	incoordi	inatir
		minalation.	drowsiness, in apprehension,	egular héart	beat acc	companied	bý a s	strange fe	eling in	the che	est, "he	eart thur	mpin
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			dizziness, heada										
5	Chronic Health Effects:	respiratory h	re may trigger as sypersensitivity. I	Possible allero			nsitive in	dividuals.	May als	o induce	skin se	ensitizatio	on a
7	Target Organs:		Respiratory Syste				.						
7	Medical Conditions Aggravated by Exposure:		dermatitis, othe s (eyes, skin, and			disorders	of the	HEALT	Н				1
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								PHYSIC	CAL HAZ	ZARDS			0
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								EYES	SKIN	l			
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			e bursting, stay involved in a fir										
			CO, Hydrogen F		Ct may c	aecompose	at mgm	temperat	uies to it	OIIII LOXIC			
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-	Extended in 19 Tribut route.		1. CO2. Dry Chen	iicai. Use wa							_ /		
	Firefighting Procedures:		n, CO ₂ , Dry Chen				wear M	SHA/NIOS	SH appro	ved self	-	4	$\mathbf{\Lambda}$
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SDS-E-DN5S

	LABORATORIES, INC.								
Prepa	ared to OSHA, ACC, ANS	SI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 6.3 SDS Revision Date: 5/31/2022							
	0	EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd							
0.0									
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.							
8.4	Eye Protection:	Avoid eye contact. Protective eyewear recommended. Wear protective eyewear (e.g., safety glasses							
		with side-shield) at all times when handling large quantities (of this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.							
8.5	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.							
8.6	Body Protection:	No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.							
		9. PHYSICAL & CHEMICAL PROPERTIES							
9.1	Appearance:	Light red aerosol spray/mist							
9.2	Odor:	Ethereal / hydrocarbon odor							
9.3	Odor Threshold:	NA							
9.4	pH:								
9.4	Melting Point/Freezing Point:	NA NA							
9.6	Initial Boiling Point/Boiling	NA NA							
	Range:	NA NA							
9.7	Flashpoint:	NA NA							
9.8	Upper/Lower Flammability Limits:	NA NA							
9.9	Vapor Pressure:	50 +/-5 psig @ 20 °C							
9.10	Vapor Density:	NA NA							
9.11	Relative Density:	0.852 ± 0.012 (7.10 ± 0.1 lb/gal)							
9.12	Solubility:	Partial to complete							
9.13	Partition Coefficient (log Pow):	NA .							
9.14	Autoignition Temperature:	NA NA							
9.15	Decomposition Temperature:	NA NA							
9.16	Viscosity:	NA NA							
9.17	Other Information:	0% VOC							
		10. STABILITY & REACTIVITY							
10.1	Stability:								
	·	This product is stable.							
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO ₂) and sulfur (SO ₂).							
10.3	Hazardous Polymerization:	Will not occur.							
10.4	Conditions to Avoid:	Open flames, sparks and high heat.							
10.5	Incompatible Substances:	None known.							
		14 TOYICOLOGICAL INFORMATION							
11 1	Pouton of Entri	11. TOXICOLOGICAL INFORMATION							
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: YES							
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, available for some of the components of the product.							
11.3	Acute Toxicity:	See section 4.4							
11.4	Chronic Toxicity:	See section 4.5							
11.5	Suspected Carcinogen:	This product does not contain any chemicals known to the State of California to cause cancer or other reproductive							
11.6	Reproductive Toxicity:	harm. For more information go to www.P65Warnings.ca.gov							
11.0		This product is not reported to produce reproductive toxicity in humans.							
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.							
	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:	See Section 4.2							
11.8	Biological Exposure Indices:	NE NE							
11.9	Physician Recommendations:	Treat symptomatically.							



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SDS-E-DN5S

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 6.3 SDS Revision Date: 5/31/2022

		12. ECOLOGICAL INFORMATION	
12.1	Environmental Stability:	There is no specific data available for this product.	
12.2	Effects on Plants & Animals:	There are no specific data available for this product.	
12.3	Effects on Aquatic Life:	There are no specific data available for this product; however, very large releases of this product may be harmful to overexposed aquatic life.	or fat
		13. DISPOSAL CONSIDERATIONS	
13.1	Waste Disposal:	Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and regulations. Dispose of in accordance with federal, state and local regulations.	s was fedei
13.2	Special Considerations:	California Waste Code: 331	
		14. TRANSPORTATION INFORMATION	
	be required by 49 CFR, IATA	, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive info	ormati
14.1	49 CFR (GND):	CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1000 mL) – until 12/31/2020 UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1000 mL)	
4.2	IATA (AIR):	ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 500 mL) UN1950, AEROSOLS, NON-FLAMMABLE, 2.2 (LTD QTY, IP VOL ≤ 820 mL)	
4.3	IMDG (OCN):	UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1000 mL)	
4.4	TDGR (Canadian GND):	UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1000 mL) or MARK PACKAGE "LIMITED QUANTITY," "LTD QTY," or "QUANT LTÉE" or "QUANTITÉ LIMITÉE"	
4.5	ADR/RID (EU):	UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1000 mL)	
4.6	SCT (MEXICO):	UN1950, AEROSOLS, 2.2 (CANTIDAD LIMITADA, IP VOL ≤ 1000 mL)	
14.7	ADGR (AUS):	UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1000 mL)	
		15. REGULATORY INFORMATION	
15.1	SARA Reporting	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.	
15.2	Requirements: SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.	
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.	
5.4	CERCLA Reportable Quantity:	NA	
15.5	Other Federal Requirements:	This material does not contain any hazardous air pollutants. This material does not contain any material listed as Hazardous Substance under the CWA. None of the components in this product are listed as priority pollutants ur the CWA. None of the components in this product are listed as toxic pollutants under the CWA.	
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.	
15.7	State Regulatory Information:	No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the followin criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substit (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Mir Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substit (WI).	stanc nnesc st (N)
15.8	Other Requirements:	This product does not contain any chemicals known to the State of California to cause cancer, birth	



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SDS-E-DN5S

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 6.3 SDS Revision: 6.3

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		16. OTHER INFORMATION				
16.1	WARNING! PRESSURIZED CONATINER; MAY BURST IF HEATED. CAUSES EYE IRRITATION. Use only as directed. Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Wash thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persist: Get medical advice/attention. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F. KEEP 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. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & CAIG Laboratories, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.				
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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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						

EXPOSURE LIMITS IN AIR:

ACGIH American Conference on Governmental Industrial Hygienists				
IDLH Immediately Dangerous to Life and Health				
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	1 Slight Hazard			
2	2 Moderate Hazard			
3	Severe Hazard			
4	Extreme Hazard			



PERSONAL PROTECTION RATINGS:

Α			
В			
С	ELA		
D			
Е			
F	(Ell)	H.	

G				
Н				
I				
J			T	
K	9			
X	Consult y special h	our supe	rvisor or irections.	SOPs for



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

SDS Revision: 6.3

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	FLAMMABILITY
1	Slight Hazard	\
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	── / ▼ ₩ >
W	Use No Water	HEALTH
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

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

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	((2)	((T)	®		R
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			\Leftrightarrow		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment



Page 1 of 5 SDS-E-F100L

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 5.0 SDS Revision Date: 8/3/2023

1.1	Droduct Name:		PRODUCT											
	Product Name:		FADER F	-SERIES	<u>, 100%</u>	% Sol	utic	n, 0	<u>% V</u>	OC	(P/N	F10	0L)	
.2	Chemical Name:	NG												
.3	Synonyms:	DeoxIT® Fade												
.4	Trade Names:	DeoxIT® Fade	er F100L Part N	Numbers:										
		Part No. F100l			t No. F10								DB (7.4	ml);
		Part No. F100l			t No. F10			۱l);				100P (6		
		Part No. F100l Part No. F100l			No. F10			١١.					(236 ml	
		Part No. F100I			No. F10 No. F10								6 (472 n 5G (55 d	
		T alt No. 1 1001	-32 (344 1111),	i ait	. 140. 1 10	JL-00 (30 L),			ı ait	110. 1	IUUL-JC	00 (00 (yai)
5	Product Use:	Lubricant for co	nductive plasti	cs & carbon-b	ased con	trols								
6	Distributor's Name:	CAIG Laborato	ries, Inc.											
7	Distributor's Address:	12200 Thatche	r Court, Poway	, CA 92064-68	376 USA									
8	Emergency Phone:	CHEMTRE	C: +1 (703) 5	527-3887 / -	+1 (800) 424-	9300	(CC	N205	206)				
9	Business Phone / Fax:	+1 (800) 224-4			,	,								
			2. HA	ZARDS I	DENT	IFIC <i>A</i>	ATIC	N						
1	Hazard Identification:	This product is	s classified as	a HAZARDO	OUS SUE	BSTANG	CE bu	ıt NO	T as [DANG	EROU	s god	DDS ac	cording to
		classification c	riteria of NOHS	SC: 1088 (200)4) and A	DG Co	de (A	ustrali	a). [DeoxIT	® 1009	% solut	ion is n	on-volatile a
		non-flammable		`	,		`		,					
		WARNING! C	AUSES EYE IF	RRITATION.										
		Classification: I	Eye Irritant 2B											
2	Label Elements:	Hazard Statem		- Causes eve	irritation									
		Precautionary	、 /	•			r han	dlina	D305-	LD351	+D338	_ IE IN		
		EYES: Rinse	cautiously with	water for sev	eral minu	ites R	emov	ullig. e conf	act le	nses	fpres	ent and	1	
		easy to do. Co												
3	Other Warnings:	KEEP OUT OF												
		1												
		3. CO	MPOSITION	ON & INC	REDI	ENT	INF	ORN	ΙΑΤ	ION				
		<u> </u>						<u> </u>			IMITS IN	I AIR (mg	J/m³)	
						ACG	iH		NOHSC			OSHA		
						ppr	m		ppm			ppm		
			DTEGO No	EINECS No.	%	T1.1/	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
IEMIC	CAL NAME(S)	CAS No.	RTECS No.			TLV								
	CAL NAME(S) T® FADER F-SERIES	CAS No.	NA	NA	100	NA	NA		NF	NF	NA	NA	NA	
oxľ	T® FADER F-SERIES	NA		NA							NA	NA	NA	
eoxl	T® FADER F-SERIES	NA	NA	NA							NA	NA	NA	
eoxl	T® FADER F-SERIES	NA	NA o. Non-Hazardou	NA	100	NA	NA				NA	NA	NA	
eoxl 100L	T® FADER F-SERIES	NA REACH Reg. N	NA o. Non-Hazardou 4.	NA us/Proprietary	100 D ME	NA SUR	NA RES	NF	NF	NF				water or n
eoxl 00L	T [®] FADER F-SERIES	NA REACH Reg. N	NA o. Non-Hazardou 4.	NA us/Proprietary FIRST All not induce vo	D MEA	NA SUR If prod	NA RES	NF nas be	NF een sv	NF vallow	ed, dr	ink ple	enty of	
eoxl 00L	T [®] FADER F-SERIES	NA REACH Reg. N Ingestion: If i	NA o. Non-Hazardou 4. Ingested, do n MMEDIATELY. Inconscious pe	FIRST All not induce vous of the patien rson. Contact	D MEA	ASUR If proding, correst Poi:	RES luct h	NF as be to offer ontrol	NF een sv er wate Cente	vallower or nor loc	ed, dr nilk. N	ink ple lever gi	enty of ive wate y numb	er or milk to er. Provide
eoxl 00L	T [®] FADER F-SERIES	NA REACH Reg. N Ingestion: If i	NA o. Non-Hazardou 4. I ngested, do n MMEDIATELY. Inconscious pe estimate of the	FIRST All not induce vous of the patien rson. Contact	D MEA	ASUR If proding, correst Poi:	RES luct h	NF as be to offer ontrol	NF een sv er wate Cente	vallower or nor loc	ed, dr nilk. N	ink ple lever gi	enty of ive wate y numb	er or milk to er. Provide
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eoxl 100L	T [®] FADER F-SERIES	NA REACH Reg. N Ingestion: If i	NA o. Non-Hazardou 4. Ingested, do nMMEDIATELY. inconscious perstimate of the wallowed. s are not likely:	FIRST All not induce voor of the patient rson. Contact time at which the patient is the patient of the patient	D MEA	ASUR If proding, correst Poisaterial vets in the	RES luct hatinue son C	NF as be to offer ontrol ngesters, flush	een sver wate Cente	vallow er or n r or lo	ed, dr nilk. N cal em amoun	ink ple lever gi ergenc t of the	enty of ive wate y numb e subst	er or milk to er. Provide ance that v
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eoxl 00L	T [®] FADER F-SERIES	Ingestion: If i	A. Ingested, do nMEDIATELY. Ingested, do nMEDIATELY. Inconscious pestimate of the wallowed. Is are not likely; I sast 15 minutes oroughly with sending the minutes.	FIRST All and induce void of the patien reson. Contact in time at which is however, if particular and water fresh air at one of the patien reson.	D MEA mitting. t is vomit t the neal ch the m product ge and lower er. In cas	ASUR If produing, correct Poisaterial vets in the lids, occurred to the lids, occurred	RES luct hotinue son Cowas in e eyes ccasio ntact,	NF las be to offer ontrol ingeste s, flush nally. immedit, admits	een sver wate Centeed and with diately	vallower or nor local the accopious	ed, dr nilk. N cal em amoun s amo	ink ple lever gi ergenc t of the unts of	enty of ive wate y numb e subst lukewa	er or milk to er. Provide cance that water for at le
ool 1	T [®] FADER F-SERIES	Ingestion: If i	A. In ngested, do nMEDIATELY. inconscious pe istimate of the wallowed. Is are not likely; east 15 minutes oroughly with 15 minutes. Inove victim to f	FIRST All and induce void of the patien reson. Contact in the patien reson was a soap and water fresh air at once person war.	D MEA mitting. t is vomit t the neal ch the m product ge and lower er. In cas ce. If brea m, quiet a	ASUR If produing, correst Poisaterial vets in the lids, occurred to the lids, occurred	RES luct h ntinue son C was il e eyes ccasio ntact, lifficult	NF as be to offer ontrol ngester s, flush nally. immedia, admical atternal	een sver wate Centeed and with diately inister ention.	vallower or nor or local the accopious flush	ed, dr nilk. N cal em amoun s amo	ink ple lever gi ergenc t of the unts of	enty of ive wate y numb e subst lukewa	er or milk to er. Provide cance that water for at le
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ook! 00L	T® FADER F-SERIES	Ingestion: If i	A. Ingested, do nymeroscious pe stimate of the wallowed. In sare not likely; east 15 minutes oroughly with s 5 minutes. Inove victim to fespiration. Kee roduct is swallowed.	FIRST All and induce vortice in the patien rson. Contact in time at which is however, if possibility and water fresh air at once person war owed, may cauthe eyes. Syn	D MEA miting. t is vomit t the near ch the m product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o	ASUR If produing, correst Poisaterial values in the lids, occurrence of contact and get ear, vomit overex.	RES luct hotinue son Cowas il e eyescasiontact, lifficultimediciting axposu	NF to offerontrol ngeste s, flush nally. immedial atte	een sver water Centered and modulately inisterention.	vallower or nor local the accopious flush oxyge	ed, dr nilk. N cal em amoun s amo skin w n. If b	ink ple lever gi ergenc t of the unts of ith pler reathing	enty of ive wate y numb e subst lukewa ity of water g stops	er or milk to er. Provide cance that w erm water for ater for at le give artificia n and wateri
oxli 00L	T® FADER F-SERIES	NA REACH Reg. N Ingestion: If i Eyes: Splashe Inhalation: Rer Ingestion: If p Eyes: Modera Skin: May be	A. Ingested, do nMEDIATELY. Ingested, do nMEDIATELY. Ingested, do nMEDIATELY. Ingested, do nMMEDIATELY. Ingested, do nMMED	FIRST All and induce vorus of the patien rson. Contact in the patien rson and water fresh air at once person war owed, may cauthe eyes. Syn. The products	D MEA miting. t is vomit t the near ch the m product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o	ASUR If produing, correst Poisaterial values in the lids, occurrence of contact and get ear, vomit overex.	RES luct hotinue son Cowas il e eyescasiontact, lifficultimediciting axposu	NF to offerontrol ngeste s, flush nally. immedial atte	een sver water Centered and modulately inisterention.	vallower or nor local the accopious flush oxyge	ed, dr nilk. N cal em amoun s amo skin w n. If b	ink ple lever gi ergenc t of the unts of ith pler reathing	enty of ive wate y numb e subst lukewa ity of water g stops	er or milk to er. Provide cance that w erm water for ater for at le give artificia n and wateri
1 2 2	T® FADER F-SERIES First Aid: Effects of Exposure:	Ingestion: If i	A. Ingested, do nMEDIATELY. Ingested, do nMEDIATELY. Ingested, do nMEDIATELY. Ingested, do nMMEDIATELY. Ingested, do nMMED	FIRST All and induce vorus of the patien rson. Contact in the patien rson and water fresh air at once person war owed, may cauthe eyes. Syn. The products	D MEA miting. t is vomit t the near ch the m product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o	ASUR If produing, correst Poisaterial values in the lids, occurrence of contact and get ear, vomit overex.	RES luct hotinue son Cowas il e eyescasiontact, lifficultimediciting axposu	NF to offerontrol ngesters, flush nally. immedial attendor re may	een sver water Centered and modulately inisterention.	vallower or nor local the accopious flush oxyge	ed, dr nilk. N cal em amoun s amo skin w n. If b	ink ple lever gi ergenc t of the unts of ith pler reathing	enty of ive wate y numb e subst lukewa ity of water g stops	er or milk to er. Provide cance that w erm water for ater for at le give artificia n and wateri
1 2 2	T® FADER F-SERIES	NA REACH Reg. N Ingestion: If i Eyes: Splashe Inhalation: Rer Eyes: Modera Skin: May be Inhalation: No Ingestion: No Ingestion: No Ingestion: No	A. Ingested, do non-Hazardou 4. Ingested, do nombre de management de la modernation del modernation de la modernation del modernation de la modernation de	FIRST All and induce vortice in the patien reson. Contact in time at which is however, if person ware person ware person ware the eyes. Synn. The productuals.	D MEA mitting. t is vomit t the near ch the m product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms ce ct can ca	ASUR If produing, correst Poisaterial values in the rids, occurrence of contact and get ear, your fovered use alles	RES luct h hitinue son C was in the case of the case o	NF las be to offer control ingeste s, flush nally. immed t, admi al atte and/or re may	een sver water Centered and modulately inisterention.	vallower or nor local the accopious flush oxyge	ed, dr nilk. N cal em amoun s amo skin w n. If b	ink ple lever gi ergenc t of the unts of ith pler reathing	enty of ive wate y numb e subst lukewa ity of water g stops	er or milk to er. Provide cance that w erm water for ater for at le give artificia n and wateri
eoxl 100L	T® FADER F-SERIES First Aid: Effects of Exposure:	NA REACH Reg. N Ingestion: If i Eyes: Splashe Skin: Wash th Inhalation: Rer Ingestion: If p Eyes: Modera Skin: May be s Inhalation: No Ingestion: No Ingestion: Naus Eyes: Overexp	ngested, do non-Hazardou d. Ingested, do non-Hazardou mgested, do no	FIRST All not induce vo If the patien rson. Contact time at which is lifting upper a soap and water fresh air at once person warrowed, may cauthe eyes. Syn. The productuals.	D MEA miting. t is vomit t the near the he m moduct ge and lower er. In case the man quiet a use nause mptoms of the can can miting and ness, itch	NA SUR If prod ing, cor est Pois aterial v ets in the lids, oc e of co athing d and get ea, vom if overes use alle d/or diar ing and	RES luct h httinue e eyee ccasio ntact, lifficult medic iting a xposu ergic s	NF las be to offer control ingeste s, flush nally. immed t, admit al atte and/or re may skin re ring.	een swer water Centeed and with diately inister ention. diarrhed actions	vallower or nor or loo the acopious flush oxyge	ed, dr nilk. N cal em amoun s amo skin w n. If b ness, i	ink ple lever gi ergenc t of the unts of ith pler reathing tching, es, welf	enty of ive wate y numb e subst lukewa ity of wate g stops irritation its, dern	er or milk to er. Provide cance that water for at le give artifician and water inatitis) in so
100L	T® FADER F-SERIES First Aid: Effects of Exposure:	NA REACH Reg. N RE	ngested, do n MMEDIATELY. Inconscious pe estimate of the wallowed. Is are not likely, east 15 minutes oroughly with s 5 minutes. move victim to f espiration. Kee roduct is swall tely irritating to sirritating to skir ensitive individ one expected. Esa, intestinal of cosure in eyes n ons of skin ove	FIRST All not induce vo If the patien rson. Contact time at which the patien rson induce vo If the patien rson induce vo If the patien rson contact time at which the patien resh air at once person war to wed, may caust the eyes. Syn The productuals.	omiting. t is vomit t the near the heard lower er. In case ce. If bream, quiet a use nause mptoms of the can ca	ASUR If proding, corest Poisaterial vets in the lids, oce of coathing dand get ea, vorm of overest use alled dording and get eredness and get	RES luct h htinue e eyes ccasio ntact, iifficult medic iting a kxposu ergic s	NF las be to offe ontrol ngeste s, flush nally. immedial atte and/or re may skin re ring. ching, ching,	een swer water Centered and in with diately inister ention. diarrhed actions	vallower or nor or lool the acopious flush oxygeea. de red s (e.g.	ed, dr nilk. N cal em amoun s amo skin w n. If b ness, i , rasho	ink ple lever gic ergence t of the unts of ith pler reathing tching, es, welf	enty of ive wate y numbe substitukewa aty of wate g stops irritation its, derni	er or milk to er. Provide cance that water for at le give artifician and water natitis) in so
1 2 2	T® FADER F-SERIES First Aid: Effects of Exposure:	NA REACH Reg. N Ingestion: If i Eyes: Splashe Skin: Wash th Inhalation: Rer Ingestion: If p Eyes: Modera Skin: May be Inhalation: No Ingestion: No Ingesti	ngested, do n MMEDIATELY. Inconscious perstimate of the wallowed. Is are not likely east 15 minutes oroughly with so 5 minutes. Inconscious perstimate of the wallowed. Is are not likely east 15 minutes. Inconscious perstimate or service in the sepiration. Kee roduct is swalled tely irritating to skir ensitive individuate expected. It is a service in the sepiration of the sepiration of the sepiration in the sepiration of the sepiration. It is separated in the sepiration of the sepiration of the sepiration of the sepiration. It is separated in the sepiration of the sepiration of the sepiration of the sepiration. It is separated in the sepiration of the separate of the sepiration of the sep	FIRST All not induce vo If the patien rson. Contact time at which the patien rson induce vo If the patien rson induce vo If the patien rson contact time at which the patien resh air at once person war to wed, may caust the eyes. Syn The productuals.	omiting. t is vomit t the near the heard lower er. In case ce. If bream, quiet a use nause mptoms of the can ca	ASUR If proding, corest Poisaterial vets in the lids, oce of coathing dand get ea, vorm of overest use alled dording and get eredness and get	RES luct h htinue e eyes ccasio ntact, iifficult medic iting a kxposu ergic s	NF las be to offe ontrol ngeste s, flush nally. immedial atte and/or re may skin re ring. ching, ching,	een swer water Centered and in with diately inister ention. diarrhed actions	vallower or nor or lool the acopious flush oxygeea. de red s (e.g.	ed, dr nilk. N cal em amoun s amo skin w n. If b ness, i , rasho	ink ple lever gic ergence t of the unts of ith pler reathing tching, es, welf	enty of ive wate y numbe substitukewa aty of wate g stops irritation its, derni	er or milk to er. Provide cance that varm water for at le give artifician and waterinatitis) in so
90XI 1 1 2 2 2 2	T® FADER F-SERIES First Aid: Effects of Exposure:	NA REACH Reg. N RE	ngested, do n MMEDIATELY. Inconscious pe estimate of the wallowed. Is are not likely, east 15 minutes oroughly with s 5 minutes. move victim to f espiration. Kee roduct is swall tely irritating to sirritating to skir ensitive individ one expected. Esa, intestinal of cosure in eyes n ons of skin ove	FIRST All and induce vorus of the patient reson. Contact time at which time at the eyes. Synta the eyes are product can be produc	D MEA miting. t is vomit t the near th the m moduct ge and lower er. In cas the mean of the mean the miting and the mean of the mean the miting and the mean of the mean of the mean the miting and the mean of the mean of the mean the miting and the mean of the mean of the mean the mean of the mean of the mean the mean of the mean of the mean of the mean of the mean the mean of the me	ASUR If proding, corest Poisaterial vets in the lids, occurrent of t	RES luct h httinue son C was in e eyes ccasio ntact, fifficult medic iting a xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	NF las be to offe ontrol ngeste s, flush nally. immed t, admit al atte and/or re may skin re ring. ching, n reac	een swer water Centered and in with a diarrhed included actions and in tions of the second actions of	vallower or nor or lool the acopious flush oxyge ea. de red s (e.g.,	ed, dr nilk. N cal em amoun s amo skin w n. If b ness, i , rasho	ink ple lever gno ergence t of the unts of ith pler reathing tching, es, welt	enty of ive water y number substituted water wat	er or milk to er. Provide ance that varm water for at le give artifician and water natitis) in so



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Fiep	ared to OSHA, ACC, AN	SI, NOHSC, WHMIS, GHS & 1272/2	008/EC 8	standards	3	DS Rev	ISION: 5.0	[50	S Revisio	n Date	8/3/2023
		4. FIRST A	VID MI	FΔSIII	RES_	cont'	d				
4.5	Chronic Health Effects:	Non-irritating when used as direct May also induce skin sensitization	ted. Ov	erexposu	re may tr	gger ast	thma-like s			e sensi	tive individual
4.6	Target Organs:	Eyes, Skin.		<u> </u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			g			
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the					HEALTI	1			
	riggiavated by Exposure.	target organs (eyes, skin).					FLAMM	ABILIT	Υ		0
							PHYSIC	AL HA	ZARDS		0
							PROTE	CTIVE I	EQUIPM	ENT	В
							EYES	SKI	١		
		5. FIREF	IGHT	ING N	IEASU	RES					
5.1	Fire & Explosion Hazards:	This product is not flammable. He temperatures to form toxic gases (owever, i	f involved			duct may d	ecompo	se at high	ו	
5.2	Extinguishing Methods:	Water, Foam, CO ₂ , Dry Chemical.			to cool un	opened (containers.				•
		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. ACCIDENT	ΓAL R	ELEA	SE ME	ASU	RES				
		material such as vermiculite or sa water or a material such as "spen plastic brooms, shovels, dustpans Large Spills: Keep incompatible or release. Isolate immediate haz done with minimal risk. Wear app	edy dry" s) and pla materials ard area	to soak uce into a (e.g., organd keep	ip materia plastic co janics suc unauthoi	al. Sweentainer o th as oil) rized per	ep up mate r plastic lin away from sonnel out	erial usin er within n spill. S of area.	g non-spa another o Stay upwir Stop spil	arking i containend and and Il or rele	materials (e.g er. away from sp ease if it can b
		7. HANDLING	& STO	ORAG	E INFO	ORMA	TION				
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when necessary. Use chemical goggles									
7.2	Storage & Handling:		Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical								
7.3	Special Precautions:	Clean all spills promptly. Spilled n	naterial m	nay prese	nt a slippi	ng hazar	d.				
		9 EVECEUEE CONT	DOI 0	O DE	DCON	AL D	DOTEC	TION	1		
8.1	Exposure Limits:	8. EXPOSURE CONT		GIH	KSUN	NOHSC	KUIEU	TION	OSHA		OTHER
0.1	ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
		NA	NA	NA	NA	NA	NF	NA	NA	NA	NA
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., fans) exhaust ventilation to effectively product. Ensure appropriate deco	remove	and prev	ent buildı	up of va	pors or mi	st gener	rated fron	n the h	andling of th
8.3	Respiratory Protection:	product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). No special respiratory protection is required under typical circumstances of use or handling. In instances where dusts of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.									
8.4	Eye Protection:	Avoid eye contact. None required handling or using large quantities	of this pr	oduct.							
8.5	Hand Protection:	None required under normal con- individuals. When handling large plastic gloves.	quantitie	s (e.g., ≥	1 gallon	(3.8 L)),	wear rubb	er, nitrile	or impe	rvious	
8.6	Body Protection:	No apron required when handling wash stations and deluge showe large quantities of this product, wa	rs should	d be avai	lable. Up	on com	pletion of v	vork acti			



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Appearance: Odor: Odor Threshold: Odor Point/Freezing Point: Odor Point/Boiling Nange: Clashpoint: Odor Pressure: Odor Pressure: Odor Pressure: Odor Pressure: Odor Point/Boiling Odor Pressure: Odor Pressure: Odor Odor Point/Boiling Odor Odor Point/Boiling Odor Odor Point/Boiling Odor Odor Point/Boiling Odor Odor Odor Odor Odor Odor Odor Odor	9. PHYSICAL & CHEMICAL PROPERTIES Light green Ethereal / hydrocarbon odor NA NA NA >220 °C (428 °F) >250 °C (482 °F) NA < 0.1 mm Hg @ 20 °C (68 °F) NA 0.892 Soluble NA NA NA NA NA NA
Odor: Ddor Threshold: Ddor Density: Ddor Density: Density: Density: Density: Density: Density: Density: Density: Density: Decomposition Temperature: Decomposition Temperature:	Light green Ethereal / hydrocarbon odor NA NA NA >220 °C (428 °F) >250 °C (482 °F) NA < 0.1 mm Hg @ 20 °C (68 °F) NA 0.892 Soluble NA NA NA NA
Odor: Ddor Threshold: Ddor Density: Ddor Density: Density: Density: Density: Density: Density: Density: Density: Density: Decomposition Temperature: Decomposition Temperature:	Ethereal / hydrocarbon odor NA NA NA >220 °C (428 °F) >250 °C (482 °F) NA < 0.1 mm Hg @ 20 °C (68 °F) NA 0.892 Soluble NA NA NA NA
Odor Threshold: Odor T	NA NA NA >220 °C (428 °F) >250 °C (482 °F) NA < 0.1 mm Hg @ 20 °C (68 °F) NA 0.892 Soluble NA NA NA
oH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Jpper/Lower Flammability Jimits: /apor Density: Relative Density: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature:	NA NA >220 °C (428 °F) >250 °C (482 °F) NA < 0.1 mm Hg @ 20 °C (68 °F) NA 0.892 Soluble NA NA NA
Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Jpper/Lower Flammability Jimits: /apor Pressure: /apor Density: Relative Density: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature: //iscosity:	NA >220 °C (428 °F) >250 °C (482 °F) NA < 0.1 mm Hg @ 20 °C (68 °F) NA 0.892 Soluble NA NA NA
nitial Boiling Point/Boiling Range: Flashpoint: Jpper/Lower Flammability Limits: Japor Pressure: Japor Density: Relative Density: Relative Density: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature:	>220 °C (428 °F) >250 °C (482 °F) NA < 0.1 mm Hg @ 20 °C (68 °F) NA 0.892 Soluble NA NA NA
Range: Flashpoint: Joper/Lower Flammability Joper/Lower Flammability Joper/Lower Flammability Joper Pressure: Joper Pre	>250 °C (482 °F) NA < 0.1 mm Hg @ 20 °C (68 °F) NA 0.892 Soluble NA NA
Upper/Lower Flammability Limits: //apor Pressure: //apor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature: //iscosity:	NA < 0.1 mm Hg @ 20 °C (68 °F) NA 0.892 Soluble NA NA NA
imits: /apor Pressure: /apor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature:	< 0.1 mm Hg @ 20 °C (68 °F) NA 0.892 Soluble NA NA NA
/apor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature: //iscosity:	NA 0.892 Soluble NA NA NA NA
Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature: //iscosity:	0.892 Soluble NA NA NA
Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature: //iscosity:	Soluble NA NA NA
Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature: //iscosity:	NA NA NA
Autoignition Temperature: Decomposition Temperature: //iscosity:	NA NA
Decomposition Temperature: /iscosity:	NA
/iscosity:	
·	
Other Information:	5.4-7.5 cSt @ 104 °F
	NA
	10. STABILITY & REACTIVITY
Stability:	Stable under normal conditions; unstable with heat or contamination.
Hazardous Decomposition	Oxides of carbon (CO, CO ₂).
Products:	Will not occur.
,	
	Open flames, sparks, high heat, incompatible substances and direct sunlight. Avoid extreme heat and ignition sources. Store away from oxidizers.
	11. TOXICOLOGICAL INFORMATION
Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: NO
Γoxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature,
	available for some of the components of the product and is not presented in this document.
•	Moderate irritation to eyes and skin near affected areas.
Chronic Toxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).
Suspected Carcinogen:	No.
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.
Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
reratogenicity:	This product is not reported to cause teratogenic effects in humans.
Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.
rritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
Biological Exposure Indices:	NE
Physician Recommendations:	Treat symptomatically.
	42 FCOLOCICAL INFORMATION
Environmental Otability	12. ECOLOGICAL INFORMATION
	There is no specific data available for this product. There is no specific data available for this product.
Effects on Aquatic Life:	There are no specific data available for this product; however, very large releases of this product may be harmful or fat
•	to overexposed aquatic life.
	42 DISDOSAL CONSIDERATIONS
Masta Dianasal:	13. DISPOSAL CONSIDERATIONS
Vaste Disposal:	Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous was according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and fede
	regulations. Dispose of in accordance with federal, state and local regulations.
Special Considerations:	NA
ROUGH AND ENTER SHOW THE SHOW	roducts: azardous Polymerization: onditions to Avoid: compatible Substances: outes of Entry: oxicity Data: cute Toxicity: hronic Toxicity: uspected Carcinogen: eproductive Toxicity: lutagenicity: eratogenicity: eratogenicity: eproductive Toxicity: ritancy of Product: iological Exposure Indices: hysician Recommendations: nvironmental Stability: ffects on Plants & Animals: ffects on Aquatic Life:



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SDS Revision Date: 8/3/2023

		44 TRANSPORTATIO	ALINEO DA ATION					
		14. TRANSPORTATIO		A 1 1141				
	riptive information may be	oer, proper shipping name, hazard class & division required by 49 CFR, IATA/ICAO, IMDG and the C	, packing group) is shown for each mode of transpo TDGR.	rtation. Additional				
14.1	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 I	NFORMATION					
15.1	SARA Reporting Requirements:	This product does not contain any substances su	ubject to SARA Title III, section 313 reporting require	ements.				
15.2	SARA TPQ:	There are no specific Threshold Planning Quanti						
15.3	TSCA Inventory Status:	The components of this product are listed on the						
15.4	CERCLA Reportable Quantity:	NA .	,					
15.5	Other Federal Requirements:	NA						
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. MIS Class D2B (Other Toxic Effects).						
15.7	State Regulatory Information:	No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state 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						
15.8	Other Requirements:	reproductive harm. For more information go to w	ww.P65Warnings.ca.gov.					
		1						
		16. OTHER INFO						
16.1	Other Information:		only as directed. Avoid contact with eyes. In case of show the label where possible). If skin irritation of IILDREN.					
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.						
16.3	Disclaimer:	government regulations must be reviewed for Laboratories, Inc.'s knowledge, the information accuracy, suitability or completeness is not guar provided. The information contained herein relations	OSHA's Hazard Communication Standard, 29 CFR applicability to this product. To the best of Standard herein is reliable and accurate as of ranteed and no warranties of any type, either expresates only to the specific product(s). If this product(be considered. Data may be changed from time to	ShipMate's & CAIG this date; however, ssed or implied, are s) is combined 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/	CAIG LABORATORIES, INC.					
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	ShipMate* Dangerous Goods Training & Consulting					



Page 5 of 5 SDS-E-F100L

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

SDS Revision: 5.0

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	Immediately Dangerous to Life and Health
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

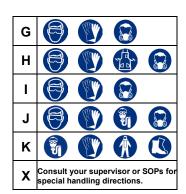
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D		THE NAME OF THE PERSON OF THE	
Ε			
F		H.	





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	FLAMMABILITY
1	Slight Hazard	\
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	── / ▼ ₩ У
₩	Use No Water	HEALTH 🔪
OX	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

TOXICOLOGICAL INFORMATION:

Lethal Dose (solids & liquids) which kills 50% of the exposed animals
Lethal concentration (gases) which kills 50% of the exposed animal
Concentration expressed in parts of material per million parts
Lowest dose to cause a symptom
Lowest concentration to cause a symptom
Lowest dose (or concentration) to cause lethal or toxic effects
International Agency for Research on Cancer
National Toxicology Program
Registry of Toxic Effects of Chemical Substances
Bioconcentration Factor
Median threshold limit
Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System				
DOT	U.S. Department of Transportation				
TC	Transport Canada				
EPA	U.S. Environmental Protection Agency				
DSL	Canadian Domestic Substance List				
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	(4)	(2)		\odot	(49)		
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			\limits		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 7.3 SDS Revision Date: 8/3/2023

1.1		1.	PRODUCT	& COMF	PANY	DEN	ITIF	ICA	10IT	<u> </u>				
l	Product Name:	DEOXIT	GOLD G-	SERIES,	5% SP	RAY	/ , 14	2 gr	ams	s, (P	/N G	5S-6	3),	
			MPLIANT	•			•	Ū		, ,			,,	
1.2	Chemical Name:		nts listed in sectio	n 3										
1.3	Synonyms:		G-Series, 5% Sp		-6)									
1.4	Trade Names:		G-Series, 5% Sp											
1.5	Product Use:		enhancer for plate			ronic c	ontact	s & co	nnecto	ors				
1.6	Distributor's Name:	CAIG Labora		ou uu go.u p										
1.7	Distributor's Address:		ner Court, Poway,	CA 92064-68	76 USA									
1.8	Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN205206)												
1.9	Business Phone / Fax:	+1 (800) 224						•						
	•													
			2. HA	ZARDS II	DENTI	FICA	ATIC	N						
2.1	Hazard Identification:		is classified as a				ınd as	DANG	EROL	JS GO	ODS a	ccordi	ng to th	ne classification
			HSC: 1088 (2004											
			XTREMELY FLA				SSURI	ZED (CONT	AINER	MAY	BURS	ST IF H	EATED. MAY
			SWALLOWED A : Aerosols 1, Asp		AIRWA	ъ.								
2.2	Label Elements:		ments (H): H222		flammable	aeros	ol H	229 –	Pressi	ırized (contair	er. ma	av	
			d. H304 – May b						1 10000	u11200 \	Jonitali	101. 1110	1 y	
		Precautionar	<u>/ Statements</u> (P):	P210 - Keep	away fro	m hea	t, hot	surface	e, spa	rks, op	en flar	nes ar	ıd 🗾	
			sources. No smo											<u>E3</u>
			ot pierce or burn,											
			 IF SWALLOWE ng. P332+P313 - 											X
			P410+P412 – Pro											
			01 – Dispose of											
		(TSDF).	'					,		5	'		, I	
2.3	Other Warnings:	KEED OUT (OF REACH OF CI	UII DDEN										
		KEEP OUT C	OF REACH OF CI	HILDREN.										
		3 (OMPOSITIO	NI & INC	PENIE	NT	INE) PM	ΙΛΤΙ	ON				
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EXPOSURE L ACGIH NOHSC			OSHA											
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CHEM	ICAL NAME(S)	CAS No	DTECS No.			TIV	CTEI		STEI					UIIILK
	ICAL NAME(S)	CAS No.	OA5504000			(5)	_	TWA					IDLH NA	MIST
	ICAL NAME(S) RLESS MINERAL SPIRITS	64742-47-8	OA5504000	265-149-8	40-70	(5)	NA NA		STEL NF	NF	(5)	NA	NA	MIST
ODOF	RLESS MINERAL SPIRITS	64742-47-8		265-149-8	40-70		NA	TWA	NF					MIST
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ODOF	PRLESS MINERAL SPIRITS JOROETHANE (R-152A)	64742-47-8 REACH Re 75-37-6 REACH Re PROPRIET	OA5504000 g. No. 02678590001 K14100000 g. No. 100000788; F ARY – TRADE SEC	265-149-8 ; Asp. Tox. 1; H 200-866-1 flam. Gas 1, Liq RET	40-70 304 10-30	(5)	NA NA	NF 1000	NF NF	NF	(5)	NA	NA NA	
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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 7.3 SDS Revision Date: 8/3/2023 4. FIRST AID MEASURES - cont'd 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 4.4 Acute Health Effects: Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. Frostbite like effect to skin. Overexposure may trigger asthma-like symptoms in some sensitive individuals. May also induce skin sensitization and 4.5 Chronic Health Effects: respiratory hypersensitivity. Possible allergic dermatitis. 4.6 Target Organs: Eyes, Skin, Respiratory System. 4.7 Medical Conditions Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** 1 Aggravated by Exposure: target organs (eyes, skin, and respiratory system). **FLAMMABILITY** 3 0 PHYSICAL HAZARDS PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: Level 3 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 °F. Cool uninvolved containers to prevent possible bursting. Aerosols may be projectile hazards when bursting. If aerosols are bursting, stay clear until bursting is complete. 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, hydrogen fluoride). 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 selfcontained 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 Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Spills 6.1 Equipment. Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills. Small Spills: Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible material such as vermiculite or sand to soak up the product and place into a container for later disposal. Do not use water or a material such as "speedy dry" to soak up material. Sweep up material using non-sparking materials (e.g., plastic brooms, shovels, dustpans) and place into a plastic container or plastic liner within another container. Large Spills: Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Contents under pressure. Handle as to avoid puncturing container(s). When used as intended, no additional protective equipment is necessary. Use chemical goggles if eye contact is possible. Wash unintentional residues with soap and warm water. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. To avoid unintentional spraying keep cap in place when not in use. Special Precautions: 7.3 Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION 8.1 Exposure Limits: ACGIH NOHSC **OSHA** OTHER ppm (mg/m³) STE STFI CHEMICAL NAME(S) TI V ES-TWA STFI PFAK PEL IDI H **ODORLESS MINERAL SPIRITS** MIST (5) NΑ NF NF NF (5) NA NA DIFLUOROETHANE (R-152A) 1000 NA 1000 NF NF NA NA NA SKIN DEOXIT® GOLD G-SERIES, G100L NA NA NF NF NF NA 15 NA 8 2 Ventilation & Engineering General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general Controls: exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station)



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 7.3 SDS Revision Date: 8/3/2023 8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd 8.3 Respiratory Protection No special respiratory protection is required under typical circumstances of use or handling. instances where dusts of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia. 8.4 Eye Protection: Avoid eye contact. None required under normal conditions of use. Safety glasses could be used when handling or using large quantities of this product. 8.5 Hand Protection: None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., ≥ 1 gallon (3.8 L)), wear rubber, nitrile or impervious plastic gloves. 8.6 Body Protection: No apron required when handling small quantities. When handling large quantities (e.g., ≥ 5 lbs), 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. PHYSICAL & CHEMICAL PROPERTIES Appearance Light yellow aerosol spray/mist 9.2 Odor Ethereal hydrocarbon odor Odor Threshold: 9.3 NA 9.4 NA 9.5 Melting Point/Freezing Point: NA 9.6 Initial Boiling Point/Boiling 171.1-204 °C @ 760 mm Hg Range: 9.7 Flashpoint: 48.8 - 54.4 °C (120 - 130 °F) 9.8 Upper/Lower Flammability NA 9.9 Vapor Pressure: NA 9.10 Vapor Density: 4.9 (air = 1.0)Relative Density: 784.94 g/L 9.11 9.12 Solubility: Not soluble in water Partition Coefficient (log Pow): 9.13 NA 9.14 Autoignition Temperature NA 9.15 Decomposition Temperature: NA 9.16 Viscosity: 10.0 cPs 9.17 Other Information: VOC: 588 g/L (74.91%) 10. STABILITY & REACTIVITY 10.1 Stability Stable under normal conditions; unstable with heat or contamination. 10.2 Hazardous Decomposition Change in color signifies exposure to ultraviolet light or exceeding shelf life. Will not degrade to unstable products. Discard solution. 10.3 Hazardous Polymerization: Will not occur. 10.4 Conditions to Avoid Open flames, sparks, high heat, incompatible substances and direct sunlight. 10.5 Incompatible Substances: Avoid extreme heat and ignition sources. Store away from oxidizers. 11. TOXICOLOGICAL INFORMATION Inhalation: YES Absorption: YES Routes of Entry: Ingestion: YES 11.1 Toxicity Data: 11.2 This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product. Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause 11.3 Acute Toxicity: drowsiness, dizziness, headaches and nausea. 11.4 Chronic Toxicity: This material may aggravate any pre-existing skin condition (e.g., dermatitis) 11.5 Suspected Carcinogen: This product contains less than 3% Dimethyl Sulfoxide (DMSO) per IP 346. This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov Reproductive Toxicity: 11.6 This product is not reported to produce reproductive toxicity in humans. Mutagenicity This product is not reported to produce mutagenic effects in humans. 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. Biological Exposure Indices ΝE 11.9 Physician Recommendations:

Treat symptomatically



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 8/3/2023 SDS Revision: 7.3 12. ECOLOGICAL INFORMATION **Environmental Stability** 12.1 There is no specific data available for this product. 12.2 Effects on Plants & Animals: There are no specific data available for this product. 12.3 Effects on Aquatic Life There are no specific data available for this product. 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal: Dispose of in accordance with federal, state and local regulations. Special Considerations: 13.2 U.S. EPA RCRA Hazardous Waste: D001 (Characteristic - Ignitability). California Waste Code: 331 (liquid concentrate). 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): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L); or CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1.0 L) - until 12/31/2020 IATA (AIR): 14.2 UN1950, AEROSOLS, FLAMMABLE, 2.1 (LTD QTY, IP VOL ≤ 0.5 L); or ID8000, CONSUMER COMMODITY, ORM-D (IP VOL \leq 0.5 L) 14.3 IMDG (OCN): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 14.4 TDGR (Canadian GND): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L); or MARK PACKAGE "LIMITED QUANTITY," "LTD QTY," or "QUANT LTÉE" or "QUANTITÉ LIMITÉE" 14.5 ADR/RID (EU): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL \leq 1.0 L) SCT (MEXICO): UN1950, AEROSOLES, 2.1 (CANTIDAD LIMITADA, IP VOL ≤ 1.0 L) 14.7 ADGR (AUS): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 15. REGULATORY INFORMATION SARA Reporting 15.1 This product does not contain any substances subject to SARA Title III, section 313 reporting requirements. Requirement 15.2 SARA TPQ There are no specific Threshold Planning Quantities for the components of this product. 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory. CERCLA Reportable Quantity: 15.4 Other Federal Requirements: 15.5 None of the ingredients in this mixture are listed as Hazardous Air Pollutants (HAPs). None of the ingredients in this mixture are listed as a Priority Pollutant under the CWA. None of the ingredients in this mixture are listed as a Toxic Pollutant under the CWA. Other Canadian Regulations: 15.6 This product has been classified according to the hazard criteria of the CPR and the MSDS 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. WHMIS Class B5, D2B (Flammable Aerosol, Other Toxic Effects) 15.7 State Regulatory Information: <u>Difluoroethane</u> can be found on the following state criteria lists: MA and NJ. No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state 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

reproductive harm. For more information go to www.P65Warnings.ca.gov.

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other

List (WI).

NA

15.8

Other Requirements:



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		16. OTHER INFORMATION	
16.1	Other Information:	DANGER! EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER: MAY BURST IF BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. Keep away from heat, hot surface, sparks, of other ignition sources. No smoking. Provide good ventilation in process area to prevent formation of spray on an open flame or other ignition source. Do not pierce or burn, even after use. If time/gas/mist/vapor/spray. WARNING — ELECTRIC SHOCK HAZARD: This can will conduct electric from all live electrical sources including battery terminals, electrical panels, and other electrical compor observe this warning may result in serious injury. Wear protective gloves, eye protection and face phands and exposed skin areas with soap and water thoroughly after handling. In case of fire, CO ₂ Hall dry chemical, or foam for extinction. IF SWALLOWED: Immediately call a POISON CENTER/doctor. vomiting. If skin irritation occurs: get medical advice/attention. Keep Cool. Protect from sunlight. Defining the screen of the protect of the prot	open flames and f vapor. Do not Avoid breathing city – keep away nents. Failure to rotection. Wash on (if permitted), Do NOT induce
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 §19 government regulations must be reviewed for applicability to this product. To the best of Ship Laboratories, Inc.'s knowledge, the information contained herein is reliable and accurate as of this accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expresse provided. The information contained herein relates only to the specific product(s). If this product(s) other materials, all component properties must be considered. Data may be changed from time to t consult the latest edition.	oMate's & CAIG s date; however, ed or implied, are is combined 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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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	Immediately Dangerous to Life and Health
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

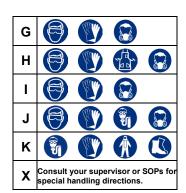
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

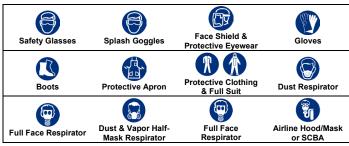
0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D		THE NAME OF THE PERSON OF THE	
Ε			
F		H.	





OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic		
Irrit	Irritant		
NA	Not Available		
NR	No Results		
ND	Not Determined		
NE	NE Not Established		
NF	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

FLAMMABILI	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	FLAMMABILITY
1	Slight Hazard	\ \
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	1 2
ALK	Alkaline	
COR	Corrosive	─ / ₹ ₩ ≯
W	Use No Water	HEALTH 🔪
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

TOXICOLOGICAL INFORMATION:

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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	OT U.S. Department of Transportation		
TC	Transport Canada		
EPA	U.S. Environmental Protection Agency		
DSL	Canadian Domestic Substance List		
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	(4)	(2)		\odot	®		(R)
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			\Leftrightarrow		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment