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

SDS Revision: 3.0 SDS

SDS Revision Date: 1/31/2015

		1.	PRODUC	T & COMI	PANY	IDE	NTIF	ICA	ΤΙΟΙ	1					
1.1 Pr	roduct Name:	DustAL	L™ PRO, 0	% VOC.	(P/N (CCS	-210	0). 1	0 oz	. (28	34 o	(r			
.2 CI	hemical Name:		nts listed in secti				-	- //				J /			
3 Sy	ynonyms:	1,1,1,2-Tetrafluoroethane													
4 Tr	rade Names:	DustAll™ Pro													
5 Pr	roduct Uses & Restrictions:	Dust Removi													
6 Di	istributor's Name:	CAIG Labora													
	istributor's Address:		ner Court, Powa	CA 92064-6	876 USA										
	mergency Phone:		EC: +1 (703)			1 121	-020(vvv	· · ·				
	usiness Phone / Fax:	+1 (800) 224		521-50011	+1 (000) 424	-9300			~~~)				
		11 (000) 224	4120												
				ZARDS I		-		-							
.1 Ha	azard Identification:		is classified a									GOO	DDS		
			the classification						Code (Austra	alia).				
			PRESSURIZED	CONATINER	; MAY BU	RSTI	F HEA	TED.							$\mathbf{\wedge}$
		Classification	<u>: Aerosois 3</u> ments (H): H229		d aantaina		hurat	fheet	. d						
			y Statements (P							s on	on fla	amas	and		< 🕛 🖯
			sources. No si												$\mathbf{\cdot}$
			sunlight. Do not								• •				
			 If skin irritation 								ked (up. P	2501		
			contents/contair												
				<u></u>			=								
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						AC	GIH	1	NOHSC		WIII 3	OSI		,	
							om		ppm			pp			
								ES-	ES-	ES-					
IEMICAL	L NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STI	EL I	DLH	OTHER
1 1 2-TE	ETRAFLUORETHANE	811-97-2	KI8842500	212-377-0	60-100	NA	NA	1000	1010		NA	N/	^	NA	
		Press. Gas 3	4.	FIRST AII	D MEA	SUF	RES		4240	NF		•			-
.1 Fi	irst Aid:	Ingestion:	4. If ingested, do IMMEDIATELY	not induce	D MEA vomiting. at is vomit	SUP	RES roduct	has be to offe	been ster wate	wallov er or n	ved, nilk.	drink Neve	plei plei	nty o re wa	ter or milk to
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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 3.0 SDS Revision Date: 1/31/2015 FIRST AID MEASURES – cont'd 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 0 3 PHYSICAL HAZARDS **PROTECTIVE EQUIPMENT** В EYES SKIN 5. FIREFIGHTING MEASURES Level 3 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 °F. Cool uninvolved 51 Fire & Explosion Hazards 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). Extinguishing Methods: Water, Foam, CO₂, Dry Chemical. Use water spray to cool unopened containers. 5.2 53 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 spraving 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 6.1 Spills: 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. Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct 7.2 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: Clean all spills promptly. 7.3 8. EXPOSURE CONTROLS & PERSONAL PROTECTION NOHSC OTHER Exposure Limits: ACGIH OSHA 8.1 ppm (mg/m³) CHEMICAL NAME(S) TLV STEL ES-TWA ES-STEL ES-PEAK PEL STEL IDLH 1.1.1.2-TETRAFLUORETHANE NA NA 1000 4240 NF 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 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). 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. Hand Protection: 8.5 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. Body Protection: 8.6 No apron required when handling small quantities. When handling large quantities (e.g., \geq 5 lbs), eve 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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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 3.0

SDS Revision Date: 1/31/2015

9.1	Appearance:	9. PHYSICAL & CHEMICAL PROPERTIES
9.1 9.2	Appearance: Odor:	Aerosol, clear spray
9.2	Odor Threshold:	No odor
9.4	pH:	NA NA
9.5	Melting Point/Freezing Point:	-108 °C (-162 °F)
9.6	Initial Boiling Point/Boiling	
	Range:	-26.5 °C (-15.7 °F)
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	1.21 g/mg ³ at 25 °C (68 °F)
9.12	Solubility:	Partial
9.13	Partition Coefficient (log Pow):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA
		10. STABILITY & REACTIVITY
10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.2	Hazardous Decomposition	Oxides of carbon (CO, CO ₂), nitrogen (NO _x) and sulfur (SO ₂).
10.3	Products: Hazardous Polymerization:	
10.3	Conditions to Avoid:	Will not occur.
10.4	Incompatible Substances:	Open flames, sparks, high heat, incompatible substances and direct sunlight. Avoid extreme heat and ignition sources. Store away from oxidizers.
10.5	incompatible oubstances.	Avoid extreme heat and ignition sources. Store away nom oxidizers.
		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, is
		available for some of the components of the product:
11.3	Acute Toxicity:	1.1.1.2-Tetrafluorethane LC ₅₀ (inhalation, rat 4hr) 1,500,000 mg/m ³
11.5	Acute Toxicity.	Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause 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:	
	Suspected Carcinogen: Reproductive Toxicity:	No.
	Reproductive Toxicity:	No. This product is not reported to produce reproductive toxicity in humans.
		No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans.
	Reproductive Toxicity: Mutagenicity: Embryotoxicity:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans.
	Reproductive Toxicity: Mutagenicity:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans.
11.6	Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans.
11.6	Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
11.6 11.7 11.8	Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE
11.6 11.7 11.8	Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
11.6 11.7 11.8	Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. This product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically.
11.6 11.7 11.8 11.9	Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically.
11.6 11.7 11.8 11.9 12.1	Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product.
11.6 11.7 11.8 11.9 12.1 12.2	Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There are no specific data available for this product.
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11.6 11.7 11.8 11.9 12.1 12.2	Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There are no specific data available for this product.
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11.5 11.6 11.7 11.8 11.9 12.1 12.2 12.3	Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals: Effects on Aquatic Life:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product.
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11.6 11.7 11.8 11.9 12.1 12.2	Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals: Effects on Aquatic Life:	No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. The product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product. There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.



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

SDS Revision: 3.0

SDS Revision Date: 1/31/2015

		14. TRANSPORTATION INFORMATION
The l	pasic description (ID Nur	nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional
		e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
14.1	49 CFR (GND):	UN3159, 1,1,1,2-TETRAFLUORETHANE, 2.2 ;or
		CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1.0 L) – until 12/31/2020
		(outside packaging must be marked "INSIDE CONTAINERS COMPLY WITH PRESCRIBED
14.2	IATA (AIR):	REGULATIONS") UN3159, 1,1,1,2-TETRAFLUORETHANE 2.2
14.3	IMDG (OCN):	UN3159, 1,1,1,2-TETRAFLUORETHANE 2.2
14.4	TDGR (Canadian GND):	UN3159, 1,1,1,2-TETRAFLUORETHANE, 2.2 ; or
		UN3159, 1,1,1,2-TETRAFLUORETHANE 2.2 UN3159, 1,1,1,2-TETRAFLUORETHANE 2.2 UN3159, 1,1,1,2-TETRAFLUORETHANE, 2.2 ; or or MARK PACKAGE "LIMITED QUANTITY," "LTD QTY," or "QUANT LTÉE" or "QUANTITÉ LIMITÉE"
14.5	ADR/RID (EU):	UN3159, 1,1,1,2-TETRAFLUORETHANE, 2.2
14.6	SCT (MEXICO):	UN3159, 1,1,1,2-TETRAFLUORETHANE, 2.2
14.7	ADGR (AUS):	UN3159, 1,1,1,2-TETRAFLUORETHANE, 2.2
15.1	SARA Reporting	15. REGULATORY INFORMATION
	Requirements:	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.
15.2	SARA Threshold Planning Quantity:	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.
15.4	CERCLA Reportable Quantity (RQ):	NA
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, (Cosmetics).
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.
		15. REGULATORY INFORMATION – cont'd
15.7	State Regulatory Information:	<u>1,1,1,2-Tetrafluorethane</u> can be found on the following state criteria lists: Minnesota Hazardous Substances List (MN)
13.7		No other 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 (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC:
		Irritant (Xi), Harmful (Xn) <u>Risk Phrases:</u> (R) 20/21 – Harmful by inhalation and in contact with skin. <u>Safety Phrases:</u> (S) 2-28- 45 – Keep out of reach of children. After contact with skin wash with plenty of warm water. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).
		16. OTHER INFORMATION
16.1	Other Information:	WARNING! PRESSURIZED CONATINER; MAY BURST IF HEATED. Use only as directed. Keep out of reach of
		children. After contact with skin wash with plenty of warm water. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). If skin irritation occurs: get medical advice/attention. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. 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/



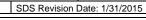
USA

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

16.5	Prepared by:	ShipMate, Inc.
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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 3.0

SDS Revision Date: 1/31/2015

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

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists			
C	Ceiling Limit			
ES	Exposure Standard (Australia)			
IDLH	Immediately Dangerous to Life and Health			
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.

HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:

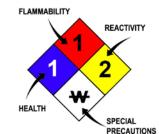
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Sa	fety Glasse	es Splash Goggles		e Shield & tive Eyewe	ar	Glove	s
	Boots	Synthetic Apron		tive Clothin Full Suit	ng C	Oust Resp	birator
Full f	Face Respir	rator Dust & Vapor Half- Mask Respirator		ull Face espirator	Ai	rline Hoo or SCE	
OTH	ER STAN	DARD ABBREVIATION	S:				
	ML	Maximum Limit					
mg/m3 milligrams per cubic meter							
NA Not Available							
	ND	Not Determined					
	NE	Not Established					
L	NF	Not Found					
L	NR	No Results					
	ppm	parts per million					
	SCBA	Self-Contained Breathing A	pparatus				

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	FLAMMABILITY LIMITS IN AIR:				
Autoignition	Minimum temperature required to initiate combustion in air with no other				
Temperature	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 w					
	explode or ignite in the presence of an ignition source				

HAZARD RATINGS:

0	Minimal Hazard			
1	Slight Hazard			
2	Moderate Hazard			
3	Severe Hazard			
4	Extreme Hazard			
ACD	Acidic			
ALK	Alkaline			
COR	Corrosive			
₩	Use No Water			
OX	Oxidizer			
TREFOIL	Radioactive			



TOXICOLOGICAL INFORMATION:

FREGACTIONS
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				
тс	Transport Canada				
EPA	U.S. Environmental Protection Agency				
DSL	Canadian Domestic Substance List				
NOHSC	National Occupational Health and Safety Commission (Australia)				
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)				
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System				

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

\bigcirc	۲	۲		Ð	۲				
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F		
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive		

EC (67/548/EEC) INFORMATION:

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С	E	F	z	0	т	Xi	Xn		
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful		

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

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