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CND-N-023

			1. PRODUCT	[ IDEN]	IIFICATION			
1	Product Name:							
	MARINE	MINERAL BATH						
2	Chemical Name:							
		IL/SALT MIXTURE						
.3	Synonyms:							
.4	Trade Names:	RAL BATH, SEA ROCKS SOA	AK "", SEA ROCKS, SEA	JOAK-M				
		lineral Bath						
.5	Product Use:							
	COSMETIC US	E ONLY						
.6	Distributor's Name							
	CREATIVE NAI	L DESIGN, INC.						
.7	Distributor's Addre							
		WAY, VISTA, CA U.S.A., 92	2081					
.8	Emergency Phone		. 1 (702) 507 2005	-				
	Business Phone:	: +1 (800) 424-9300 /	+1 (703) 527-3887	/				
.9	Business Phone							
		1 (4245) (740) 599-2900						
·		L (6245), (760) 599-2900						
-		L (6245), (760) 599-2900	2 447480					
	(800) 833-NAI		2. HAZARD	IDENT	IFICATION			
	(800) 833-NAI Hazard Identificati This product	on: is not classified as a HA	ZARDOUS SUBSTANCE			according	to the classificat	ion criteria
2.1	(800) 833-NAI Hazard Identificati This product	on:	ZARDOUS SUBSTANCE		ANGEROUS GOODS	according	to the classificati	ion criteria YES
.1	(800) 833-NAI Hazard Identificati This product NOHSC:1088 (	<sup>on:</sup> is not classified as a HA (2004) and ADG Code (Au	ZARDOUS SUBSTANCE Istralia).	or as D				
.1	(800) 833-NAI Hazard Identificati This product NOHSC:1088 ( Routes of Entry:	<sup>on:</sup> is not classified as a HA (2004) and ADG Code (Au	ZARDOUS SUBSTANCE Istralia).	e or as D	Absorption:	-		
2.1	(800) 833-NAI Hazard Identificati This product i NOHSC:1088 ( Routes of Entry: Effects of Exposure	on: is not classified as a HA (2004) and ADG Code (Au	ZARDOUS SUBSTANCE Istralia). Inhalation: may cause nausea, vo	e or as D	Absorption:	-		
2.1	(800) 833-NAI Hazard Identificati This product i NOHSC:1088 ( Routes of Entry: Effects of Exposure INGESTION:	on: is not classified as a HA (2004) and ADG Code (Au :: If product is swallowed, I	ZARDOUS SUBSTANCE Istralia). Inhalation: may cause nausea, ve ating to the eyes.	E or as D YES omiting a	ANGEROUS GOODS Absorption: Ind/or diarrhea.	NO	Ingestion:	YES
2.1	(800) 833-NAI Hazard Identificati This product i NOHSC:1088 ( Routes of Entry: Effects of Exposure INGESTION: EYES:	on: is not classified as a HA (2004) and ADG Code (Au ) If product is swallowed, i Mildly to moderately irrit May be irritating to skin face).	ZARDOUS SUBSTANCE Inhalation: may cause nausea, ve ating to the eyes. in some sensitive ind	e or as D YES omiting a	ANGEROUS GOODS Absorption: and/or diarrhea. Product should not	NO be used on	Ingestion: sensitive areas of	YES
2.1	(800) 833-NAI Hazard Identificati This product i NOHSC:1088 ( Routes of Entry: Effects of Exposure INGESTION: EYES: SKIN:	on: is not classified as a HA (2004) and ADG Code (Au If product is swallowed, I Mildly to moderately irrit May be irritating to skin face). Inhalation is very unlikely	ZARDOUS SUBSTANCE Inhalation: may cause nausea, ve ating to the eyes. in some sensitive ind	e or as D YES omiting a	ANGEROUS GOODS Absorption: and/or diarrhea. Product should not	NO be used on	Ingestion: sensitive areas of	YES
2.1 2.2 2.3	(800) 833-NAI Hazard Identificati This product i NOHSC:1088 ( Routes of Entry: Effects of Exposure INGESTION: EYES: SKIN: INHALATION:	on: is not classified as a HA (2004) and ADG Code (Au If product is swallowed, I Mildly to moderately irrit May be irritating to skin face). Inhalation is very unlikely	ZARDOUS SUBSTANCE Inhalation: may cause nausea, ve ating to the eyes. in some sensitive ind y; however, vapors of	e or as D YES omiting a lividuals. this produ	ANGEROUS GOODS Absorption: Ind/or diarrhea. Product should not uct may be slightly in	NO be used on ritating to so	Ingestion: sensitive areas of	YES
2.1	(800) 833-NAI Hazard Identificati This product i NOHSC:1088 ( Routes of Entry: Effects of Exposure INGESTION: EYES: SKIN: INHALATION: Symptoms of Over	on: is not classified as a HA (2004) and ADG Code (Au : If product is swallowed, I Mildly to moderately irrit May be irritating to skin face). Inhalation is very unlikely rexposure:	ZARDOUS SUBSTANCE Istralia). Inhalation: may cause nausea, vo ating to the eyes. in some sensitive ind y; however, vapors of ure may include reduc	e or as D YES omiting a ividuals. this producess, itchir	ANGEROUS GOODS Absorption: Ind/or diarrhea. Product should not uct may be slightly in ng, irritation and wate	NO be used on ritating to so	Ingestion: sensitive areas of	YES
1 2 3	(800) 833-NAI Hazard Identificati This product in NOHSC:1088 ( Routes of Entry: Effects of Exposure INGESTION: EYES: SKIN: INHALATION: Symptoms of Over EYES: SKIN: Acute Health Effect	on: is not classified as a HA (2004) and ADG Code (Au (2004) and ADG	ZARDOUS SUBSTANCE Istralia). Inhalation: may cause nausea, vo ating to the eyes. in some sensitive ind y; however, vapors of ure may include reduc	ess, itchir	ANGEROUS GOODS Absorption: and/or diarrhea. Product should not uct may be slightly in ng, irritation and wate ng, and irritation.	NO be used on ritating to so	Ingestion: sensitive areas of	YES
.1 .2 .3 .4	(800) 833-NAI Hazard Identificati This product in NOHSC:1088 ( Routes of Entry: Effects of Exposure INGESTION: EYES: SKIN: INHALATION: Symptoms of Over EYES: SKIN: Acute Health Effect INGESTION:	on: is not classified as a HA (2004) and ADG Code (Au If product is swallowed, 1 Mildly to moderately irrit May be irritating to skin face). Inhalation is very unlikely rexposure: Symptoms of overexpose Symptoms of overexpose Symptoms of overexpose Symptoms of overexpose Symptoms of overexpose	ZARDOUS SUBSTANCE Istralia). Inhalation: may cause nausea, vo ating to the eyes. in some sensitive ind y; however, vapors of ure may include reduc ure may include reduc	ess, itchir	ANGEROUS GOODS Absorption: Ind/or diarrhea. Product should not uct may be slightly in ng, irritation and wate ng, and irritation.	NO be used on ritating to so ering.	Ingestion: sensitive areas of ome sensitive indiv	YES
1 2 3	(800) 833-NAI Hazard Identificati This product in NOHSC:1088 ( Routes of Entry: Effects of Exposure INGESTION: EYES: SKIN: INHALATION: Symptoms of Over EYES: SKIN: Acute Health Effect INGESTION: EYES:	on: is not classified as a HA (2004) and ADG Code (Au ) If product is swallowed, i Mildly to moderately irrit May be irritating to skin face). Inhalation is very unlikely rexposure: Symptoms of overexpose Symptoms of overexpose Cts: May cause excessive bo Redness, itching, irritatio	ZARDOUS SUBSTANCE Inhalation: may cause nausea, vo ating to the eyes. in some sensitive ind y; however, vapors of ure may include reduce ure may include reduce owel movements follow n and watering at the	ess, itchir wing inge	ANGEROUS GOODS Absorption: Ind/or diarrhea. Product should not uct may be slightly in ng, irritation and wate ng, and irritation. estion.	NO be used on ritating to so ering.	Ingestion: sensitive areas of ome sensitive indiv	YES
.1 .2 .3 .4	(800) 833-NAI Hazard Identificati This product in NOHSC:1088 ( Routes of Entry: Effects of Exposure INGESTION: EYES: SKIN: INHALATION: Symptoms of Over EYES: SKIN: Acute Health Effect INGESTION: EYES: SKIN:	on: is not classified as a HA (2004) and ADG Code (Au ) If product is swallowed, i Mildly to moderately irrit May be irritating to skin face). Inhalation is very unlikely rexposure: Symptoms of overexpose Symptoms of overexpose May cause excessive bo Redness, itching, and irrit	ZARDOUS SUBSTANCE Inhalation: may cause nausea, vo ating to the eyes. in some sensitive ind y; however, vapors of ure may include reduce ure may include reduce owel movements follow n and watering at the	ess, itchir wing inge	ANGEROUS GOODS Absorption: Ind/or diarrhea. Product should not uct may be slightly in ng, irritation and wate ng, and irritation. estion.	NO be used on ritating to so ering.	Ingestion: sensitive areas of ome sensitive indiv	YES
2.1 2.2 2.3	(800) 833-NAI Hazard Identificati This product in NOHSC:1088 ( Routes of Entry: Effects of Exposure INGESTION: EYES: SKIN: INHALATION: Symptoms of Over EYES: SKIN: Acute Health Effect INGESTION: EYES: SKIN: Chronic Health Effect	on: is not classified as a HA (2004) and ADG Code (Au ) If product is swallowed, i Mildly to moderately irrit May be irritating to skin face). Inhalation is very unlikely rexposure: Symptoms of overexpose Symptoms of overexpose May cause excessive bo Redness, itching, and irrit	ZARDOUS SUBSTANCE Inhalation: may cause nausea, vo ating to the eyes. in some sensitive ind y; however, vapors of ure may include reduce ure may include reduce owel movements follow n and watering at the	ess, itchir wing inge	ANGEROUS GOODS Absorption: Ind/or diarrhea. Product should not uct may be slightly in ng, irritation and wate ng, and irritation. estion.	NO be used on ritating to so ering.	Ingestion: sensitive areas of ome sensitive indiv	YES

NA = Not Available; ND = Not Determined; NE = Not Established; NF = Not Found; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used. Note: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004 format.



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Pren	Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 8.1 MSDS Revision Date: 04/05/2009														
пер		ACC, ANJI, I		13 & 200 17 30 E	C Standards	1015051	10 1310	11. 0. 1		10150	5 110 113		110. 04/	03/200	57
3. COMPOSITION & INGREDIENT INFORMATION															
								. •			LIMITS	IN AIR	(mg/n	n³)	
							AC	GIH		NOHSC			OSHA	-	
							pp	om		ppm			ppm		OTHER
	CHEMICAL NA	MF(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	
SEA S			7647-14-5	VZ4725000	231-598-3	< 80.0	NE	NE	NF	NF	NF	NE	NE	NE	
EUCA	LYPTUS GLOBUL	US LEAF OIL	8000-48-4	LE2530000	283-406-2	< 10.0	NE	NE	NF	NF	NF	NE	NE	NE	
ORYZ	A SATIVA (RICE)	BRAN OIL	68553-81-1	NA	271-397-8	< 5.0	NE	NE	NF	NF	NF	NE	NE	NE	
coc	AMIDE DEA		68603-42-9	GG6200000	271-657-0	≤ 2.0	NE	NE	NF	NF	NF	NE	NE	NE	
SILICA	4		7631-86-9	EU8655000	231-545-4	≤ 2.0	(10)	NE	NF	(2)	NF	(6)	NE	NE	RESP DUST
	US AMYGDALUS T ALMOND) OII		8007-69-0	NA	273-313-5	< 1.0	NE	NE	NF	NF	NF	NE	NE	NE	
тосс	PHERYL ACETA	ĨE.	58-95-7	GP8280000	200-405-4	< 1.0	NE	NE	NF	NF	NF	NE	NE	NE	
	LEUCA ALTERNII LEAF OIL	OLIA (TEA	85085-48-9	NA	285-377-1	< 1.0	NE	NE	NF	NF	NF	NE	NE	NE	
coc	OYL SARCOSINE		68411-97-2	NA	270-156-4	< 1.0	NE	NE	NF	NF	NF	NE	NE	NE	
CITRA	L		5392-40-5	NA	226-394-6	< 0.1	NE	NE	NF	NF	NF	NE	NE	NE	ALLERGEN
LIMO	NENE		5989-27-5	GW6360000	227-813-5	< 1.0	NE	NE	NF	NF	NF	NE	NE	NE	ALLERGEN
OTHE	R COMPONENTS	S PRESENT IN	LESS THAN 1%	CONCENTRA	<b>FION</b>	BAL			NING ( TADDI				NOT C	CONTR	IBUTE ANY
				4.	FIRST AID I	MEAS	JRES								
4.1	First Aid: INGESTION:	emergency	y telephone r		t ChemTrec a sistance and i aspiration.										
	SKIN:				tation to the sk ing until it has										
	EYES:	If product g	gets in the eye	s, flush with co	opious amount n occurs, cont	s of luke	warm	water			-				
	INHALATION:	Remove vie		ir at once. Un	der extreme c	-	-		g stops	, perfo	rm arti	ficial re	espirat	ion at	once and
4.2	Medical Condition														
				5. FIR	EFIGHTIN	G MEA	ASUR	ES							
5.1	Flashpoint & Metho <b>ND</b>	bd:													
5.2															
5.3 Flammability Limits: Lower Explosive Limit (LEL): NA Upper Explosive Limit (UEL):			):	Ν	Α										
5.4	Fire & Explosion Ha This product is		abla												
E E	Extinguishing Meth		uble.												
5.5	Water, Foam,		Chemical , as	authorized.											
5.6	Firefighting Proced This product is		able. If involv	ed in a fire, e	mergency res	oonders	should	l wear	eye p	rotecti	on		$\checkmark$		/
	and SCBAs an waterways or	d other prot environmen	ective equipr tally-sensitive	nent. If possib areas. Wash	le, prevent rur contaminated	off wate	r from	enteri	ng stor	m drai	ns,		/	$\checkmark$	
	water and soap, followed by rinse before returning to service.														



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Prepared to OSHA	ACC. ANSI	NOHSC	WHMIS &	2001/58 EC Standa	rds	MSDS Revision: 8.1
	100,100	, 1001130,		2001/00 LO Standa	103	

MSDS Revision Date: 04/05/2009

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., < 1 gallon (3.785 liters)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For spills ≥ 1 gallon (3.785 liters), denv entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Follow normal hygiene practices. Do not eat, drink or smoke while handling product. Appropriate personal protective equipment should be worn when working with large quantities (> 1 gallon (3.785 liters)) of this material. 7.2 Storage & Handling: Store containers in a cool, dry location, away from direct sunlight or sources of intense heat. Store away from incompatible materials (see Section 10, Stability and Reactivity). Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care. 7.3 Special Precautions: Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Ventilation & Engineering Controls: 8.1 General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. 8.2 Respiratory Protection: None required if used in a well-ventilated area. 8.3 **Eve Protection** None required under normal conditions of use. Avoid eye contact. When handling large quantities (e.g.,  $\geq$  1 gallon (3.785 liters)), safety glasses with side shields should be used. 84 Hand Protection None required under normal conditions of use. When handling large quantities (e.g.,  $\geq$  1 gallon (3.785 liters)), wear rubber or impervious plastic gloves. 8.5 **Body Protection** 1 HEALTH No apron required when handling small quantities. FLAMMABILITY 1 When handling large quantities (e.g.,  $\geq 1$  gallon (3.785 liters)), eye wash stations and deluge showers should be available. Upon completion of work activities involving REACTIVITY 0 large quantities of this product, wash any exposed areas thoroughly with soap and water. **PROTECTIVE EQUIPMENT** EYES



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Т

Prep	ared to USHA, ACC, ANSI, NUHS	C, WHMIS & 2001/58 EC Standards   MSDS Revision: 8.1   MSDS Revision Date: 04/05/2009
		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Density:	1.16
9.2	Boiling Point:	ND
9.3	Melting Point:	ND
9.4	Evaporation Rate:	< 1 (N-BuAc = 1)
9.5	Vapor Pressure:	ND
9.6	Molecular Weight:	ND
9.7	Appearance & Color:	Clear, green mixture of oils and salt crystals with a minty odor.
9.8	Odor Threshold:	ND
9.9	Solubility:	Mostly soluble.
9.10	рН	ND
9.11	Viscosity:	ND
9.12	Other Information:	NA
		10. STABILITY & REACTIVITY
10.1	Stability:	
	Stable under ambient condition	S.
10.2	Hazardous Decomposition Products:	
	NA	
10.3	Hazardous Polymerization:	
10.4	Will not occur. Conditions to Avoid:	
10.4		ne temperatures, direct sunlight or incompatible materials.
10.5	Incompatible Substances:	
	Strong oxidizers.	
		11. TOXICOLOGICAL INFORMATION
11.1	Toxicity Data:	
	-	ed on animals to obtain toxicological data. There are toxicology data for the components of this
11.0		scientific literature. These data have not been presented in this document.
11.2	Acute Toxicity: See section 2.5	
11.3	Chronic Toxicity:	
-	See section 2.6	
11.4	Suspected Carcinogen:	
	NE	
11.5	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: Teratogenicity:	This product is not reported to produce embryotoxic effects in humans. This product is not reported to produce teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
11.6	Irritancy of Product:	, · · · · · · · · · · · · · · · · · · ·
	See section 2.3	
11.7	Biological Exposure Indices:	
	NE	
11.8	Physician Recommendations: Treat symptomatically.	
	near symptomatically.	

Hands	Feet. Beauty.	MATERIAL SAFETY DATA SHEE	T	Page 5 of 7 CND-N-023
Prep	ared to OSHA, AC	C, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 8.1 MS	DS Revision Dat	e: 04/05/2009
		12. ECOLOGICAL INFORMATION		
12.1	Environmental Stability			
	This product will s	lowly volatilize from soil. Components of this product will slowly decompose into or	ganic compou	nds.
12.2	Effects on Plants & Anir There is no specif	nals: ic data available for this product.		
12.3	•	volumes may be harmful or fatal to overexposed aquatic life. Aquatic toxicity da t are not presented in this MSDS.	ita for compone	ents of this product
		13. DISPOSAL CONSIDERATIONS		
13.1	Waste Disposal:			
13.2	Special Considerations	ust be in accordance with appropriate Federal, state, and local regulations.		
	NA			
		14. TRANSPORTATION INFORMATION		
Th 1	!!! +! /!		6	<del>-</del>
		D Number, proper shipping name, hazard class & division, packing group) is shown nformation may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADGR and the CTD		e of transportation.
14.1	49 CFR (GND):			
14.2	NOT REGULATED			
14.2	NOT REGULATED			
14.3	IMDG (OCN): NOT REGULATED			
14.4	TDGR (Canadian GND	):		
14.5	ADR/RID (EU):			
14.6	NOT REGULATED SCT (MEXICO):			
14.0	NOT REGULATED			
14.7	ADGR (AUS):			
	NOT REGULATED			
		15. REGULATORY INFORMATION		
15.1	U.S. EPA SARA Title III Re			
45.0	NA			
15.2	U.S. EPA SARA Title III Th	reshold Planning Quantity (TPQ):		
15.3	U.S. TSCA Inventory Sta All components of	<sup>tus:</sup> of this product are listed in the TSCA Inventory.		
15.4	U.S. CERCLA Reportabl	e Quantity (RQ):		
15.5	There are no Rep Other U.S. Federal Reg	ortable Quantities for any of the components of this product.		
10.0	1	plies with the appropriate sections of the Food and Drug Administration's 21 CFR sub	ochapter G (Co	smetics).
15.6	the information re	ations: been classified according to the hazard criteria of the CPR and the MSDS contains o equired by the CPR. The components of this product are listed on the DSL/NDSL. N its of this product are listed on the Priorities Substances List.		
15.7	U.S. State Regulatory In			
15.8		f this mixture is listed in the California Proposition 65 Lists. B/EEC and Australia NOHSC:2011 (2003) Requirements:		
-	The primary com The primary com	ponents of this product are not listed in Annex I of EU Directive 67/548/EEC. aponents of this product are not listed as Hazardous Components with the Austra stralian Safety and Compensation Council, (HSIS).	alian	
	S: 24 Avoid conto			



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 8.1 MSDS Revision Date: 04/05/2009 16. OTHER INFORMATION 16.1 Other Information: WARNING: Use only as directed. Keep out of reach of children. Do not allow product to come in contact with sensitive areas of the body. Avoid eye contact. If contact occurs, flush eye thoroughly with running water for at least 15 minutes. Seek medical attention. If redness or other signs of adverse reaction occur, discontinue use immediately and thoroughly rinse affected area. 16.2 Terms & Definitions Please see last page of this MSDS. 16.3 Disclaimer: This Material 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 & Creative Nail Design's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are 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. Prepared for: 16.4 Creative Nail Design, Inc. A Division of Colomer U.S.A., Inc. 1125 Joshua Way Vista, CA 92081 USA (800) 833-NAIL (6245) phone (760) 599-2900 Hands. Feet. Beauty. (760) 599-4005 fax http://www.cnd.com/ 16.5 Prepared by: ShipMate, Inc. **PO Box 787** Shiply Sisters, OR 97759-0787 USA Phone: +1 (310) 370-3600 Dangerous Goods Fax: +1 (310) 370-5700 Training & Consulting e-mail: shipmate@shipmate.com



**CND-N-023** 

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 8.1 MSDS Revision Date: 04/05/2009

## **DEFINITION OF TERMS**

A large number of abbreviations and acronyms appear on a MSDS. 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		
TLV	Threshold Limit Value		
OSHA	U.S. Occupational Safety and Health Administration		
PEL	Permissible Exposure Limit		
IDLH	Immediately Dangerous to Life and Health		

#### 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	



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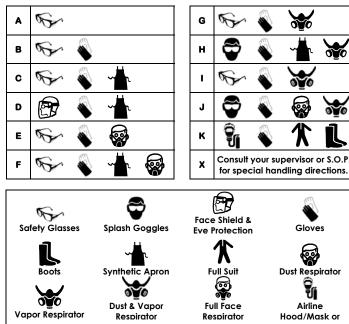
50 2

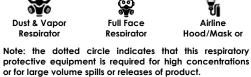
Gloves

5

\*

### PERSONAL PROTECTION RATINGS:





### FLAMMABILITY LIMITS IN AIR:

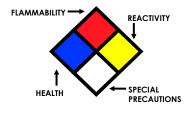
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of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

#### OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

#### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
_ <del>W</del> _	Use No Water
ОХ	Oxidizer



### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s					
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal					
ppm	Concentration expressed in parts of material per million parts					
TD <sub>io</sub>	Lowest dose to cause a symptom					
TCLo	Lowest concentration to cause a symptom					
TDio, LDio, & LDo Or	Lowest dose (or concentration) to cause lethal or toxic					
TC, TC <sub>o</sub> , LC <sub>io</sub> , & LC <sub>o</sub>	effects					
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	European Union (European Union Directive 67/548/EEC)				
CPR	Canada's Controlled Product Regulations				

#### EC INFORMATION:

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С	Е	F	Ν	0	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

### WHMIS INFORMATION:

