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MATERIAL SAFETY DATA SHEET

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MSDS-139

		ACC, ANSI, NOHSO							
				1. PROD	OUCT IDE	NTIFICATION			
1	Product Name:								
	ΑΧΧΙυΜ Ι	UMINOUS W	HITE O	VERLAY (GEL				
2	Chemical Name:		_		_				
	METHACRYLAT	E MIXTURE							
3	Synonyms:								
	NA								
.4	Trade Names:								
-	AX102, AX104								
.5	Product Use: PROFESSIONA								
.6	Manufacturer's Na								
	OPI PRODUCTS								
1.7	Manufacturer's Ad	•							
	13034 SATICO	Y STREET, NO. HOL	LYWOOD,	CA 91605 US	4				
1.8	Emergency Phone								
	CHEMTREC:	+1 (703) 527-3	3887 / +	1 (800) 424	-9300				
1.9	Business Phone:								
	+1 (818) 759-2	400 / 11 (000) 241							
		400 / +1 (800) 341	-9999						
		400 / ±1 (800) 341	-9999						
		400 / +1 (800) 341	-9999	2. HAZ	ARD IDEN	ITIFICATION			
2.1	Hazard Identificatio		-9999	2. HAZ	ARD IDEN	ITIFICATION			
.1		on: classified as a hc				ITIFICATION perous goods accord	ing to the clas	sification criter	ia of NOHSC
	This product is	on: classified as a hc					ing to the clas	ssification criter	ia of NOHSC
.2	This product is ADG Code (A	on: classified as a ho ustralia).		substance but	not as dang	jerous goods accord	-		
2.2	This product is ADG Code (A Routes of Entry:	on: classified as a hc ustralia).	azardous s	substance but Inhalation:	not as dang YES	jerous goods accord	YES	Ingestion:	YES
2.1	This product is ADG Code (A Routes of Entry: Effects of Exposure	on: classified as a ho ustralia). If product is sw depression. Irritating to the a	azardous s allowed, eyes. Sy	substance but Inhalation: may cause rmptoms of o	r not as dang YES nausea, hec verexposure	perous goods accord	YES nd/or diarrhe ess, itching, irr	Ingestion: a and central itation and wa	YES nervous sys
2.2	This product is ADG Code (A Routes of Entry: Effects of Exposure INGESTION: SKIN & EYES:	on: classified as a ho ustralia). If product is sw depression. Irritating to the a irritating to skin ir Inhalation of vap the levels listed i	azardous s allowed, eyes. Sy n some se pors is unlii in Section	substance but Inhalation: may cause mptoms of o ensitive individ kely under no n 2 (Compositi	r not as dang YES nausea, hea verexposure uals, especia rmal conditio ion and Ingra	Absorption: adache, vomiting a may include redne	YES nd/or diarrhe ess, itching, irr ind/or repeate ing; however,	Ingestion: a and central itation and wa d contact. inhalation of va	YES nervous sys tering. May pors in exces
2.2	This product is ADG Code (A Routes of Entry: Effects of Exposure INGESTION: SKIN & EYES: INHALATION:	on: classified as a ho ustralia). If product is sw depression. Irritating to the e irritating to skin ir Inhalation of vap the levels listed i (e.g., drowsiness,	azardous s allowed, eyes. Sy n some se pors is unlii in Section	substance but Inhalation: may cause mptoms of o ensitive individ kely under no n 2 (Compositi	r not as dang YES nausea, hea verexposure uals, especia rmal conditio ion and Ingra	derous goods accord Absorption: adache, vomiting a may include redne ally after prolonged a ons of use and handli	YES nd/or diarrhe ess, itching, irr ind/or repeate ing; however,	Ingestion: a and central itation and wa d contact. inhalation of va	YES nervous sys tering. May pors in exces
2.2	This product is ADG Code (A Routes of Entry: Effects of Exposure INGESTION: SKIN & EYES: INHALATION: Symptoms of Over	on: classified as a ho ustralia). If product is sw depression. Irritating to the e irritating to skin ir Inhalation of vap the levels listed i (e.g., drowsiness, exposure:	azardous s allowed, eyes. Sy n some se pors is unlii in Section , dizziness	substance but Inhalation: may cause rmptoms of o msitive individ kely under no a 2 (Compositi s, headaches,	YES nausea, hea verexposure uals, especia rmal conditio ion and Ingra nausea).	Absorption: Absorption: adache, vomiting a may include redne ally after prolonged a ons of use and handli edient Information) o	YES nd/or diarrhe ess, itching, irr ind/or repeate ing; however, can cause cer	Ingestion: a and central itation and wa ed contact. inhalation of va ntral nervous sy	YES nervous sys tering. May pors in exces sstem depres
2.2	This product is ADG Code (A Routes of Entry: Effects of Exposure INGESTION: SKIN & EYES: INHALATION: Symptoms of Over Symptoms of	on: classified as a ho ustralia). If product is sw depression. Irritating to the e irritating to skin ir Inhalation of vap the levels listed i (e.g., drowsiness, exposure: skin overexposu	azardous s allowed, eyes. Sy ors is unlii in Section , dizziness ore in sor	substance but Inhalation: may cause rmptoms of o ensitive individ kely under no a 2 (Compositi s, headaches, me sensitive	YES nausea, hea verexposure uals, especia rmal conditio ion and Ingra nausea).	derous goods accord Absorption: adache, vomiting a may include redne ally after prolonged a ons of use and handli	YES nd/or diarrhe ess, itching, irr ind/or repeate ing; however, can cause cer	Ingestion: a and central itation and wa ed contact. inhalation of va ntral nervous sy	YES nervous sys tering. May pors in exces sstem depres
.2 .3	This product is ADG Code (A Routes of Entry: Effects of Exposure INGESTION: SKIN & EYES: INHALATION: Symptoms of Over Symptoms of	on: classified as a ho ustralia). If product is sw depression. Irritating to the o irritating to skin ir Inhalation of vap the levels listed i (e.g., drowsiness, exposure: skin overexposu in eyes may caus	azardous s allowed, eyes. Sy ors is unlii in Section , dizziness ore in sor	substance but Inhalation: may cause rmptoms of o ensitive individ kely under no a 2 (Compositi s, headaches, me sensitive	YES nausea, hea verexposure uals, especia rmal conditio ion and Ingra nausea).	Absorption: Absorption: adache, vomiting a may include redne ally after prolonged a ons of use and handli edient Information) o	YES nd/or diarrhe ess, itching, irr ind/or repeate ing; however, can cause cer	Ingestion: a and central itation and wa ed contact. inhalation of va ntral nervous sy	YES nervous sys tering. May pors in exces sstem depres
.2 .3	This product is ADG Code (A Routes of Entry: Effects of Exposure INGESTION: SKIN & EYES: INHALATION: Symptoms of Over Symptoms of Overexposure Acute Health Effect	on: classified as a ho ustralia). If product is sw depression. Irritating to the o irritating to skin ir Inhalation of vap the levels listed i (e.g., drowsiness, exposure: skin overexposu in eyes may caus	azardous s allowed, eyes. Sy ors is unli in Section , dizziness ore in sor se rednes	substance but Inhalation: may cause rmptoms of o nsitive individ kely under no n 2 (Compositi s, headaches, me sensitive is, itching and	YES nausea, hea verexposure uals, especia rmal conditio ion and Ingra nausea). individuals n watering.	Absorption: Absorption: adache, vomiting a may include redne ally after prolonged a ons of use and handli edient Information) o	YES nd/or diarrhe ess, itching, irr ind/or repeate ing; however, can cause cer	Ingestion: a and central itation and wa ed contact. inhalation of va ntral nervous sy	YES nervous sys tering. May pors in exces sstem depres
2.2	This product is ADG Code (A Routes of Entry: Effects of Exposure INGESTION: SKIN & EYES: INHALATION: Symptoms of Over Symptoms of Overexposure Acute Health Effect	on: classified as a ho ustralia). If product is sw depression. Irritating to the o irritating to skin ir Inhalation of vap the levels listed i (e.g., drowsiness, exposure: skin overexposu in eyes may cause tts: ate irritation to eye	azardous s allowed, eyes. Sy ors is unli in Section , dizziness ore in sor se rednes	substance but Inhalation: may cause rmptoms of o nsitive individ kely under no n 2 (Compositi s, headaches, me sensitive is, itching and	YES nausea, hea verexposure uals, especia rmal conditio ion and Ingra nausea). individuals n watering.	Absorption: Absorption: adache, vomiting a may include redne ally after prolonged a ons of use and handli edient Information) o	YES nd/or diarrhe ess, itching, irr ind/or repeate ing; however, can cause cer	Ingestion: a and central itation and wa ed contact. inhalation of va ntral nervous sy	YES nervous sys tering. May pors in exces sstem depres
2.2	This product is ADG Code (A Routes of Entry: Effects of Exposure INGESTION: SKIN & EYES: INHALATION: Symptoms of Over Symptoms of Overexposure Acute Health Effec Mild to moder	on: classified as a ho ustralia). If product is sw depression. Irritating to the o irritating to skin ir Inhalation of vap the levels listed i (e.g., drowsiness, exposure: skin overexposu in eyes may cause tts: ate irritation to eye	azardous s allowed, eyes. Sy ors is unli in Section , dizziness ore in sor se rednes	substance but Inhalation: may cause rmptoms of o nsitive individ kely under no n 2 (Compositi s, headaches, me sensitive is, itching and	YES nausea, hea verexposure uals, especia rmal conditio ion and Ingra nausea). individuals n watering.	Absorption: Absorption: adache, vomiting a may include redne ally after prolonged a ons of use and handli edient Information) o	YES nd/or diarrhe ess, itching, irr ind/or repeate ing; however, can cause cer	Ingestion: a and central itation and wa ed contact. inhalation of va ntral nervous sy	YES nervous sys tering. May pors in exces sstem depres
2.2	This product is ADG Code (A Routes of Entry: Effects of Exposure INGESTION: SKIN & EYES: INHALATION: Symptoms of Over Symptoms of Overexposure Acute Health Effec Mild to moder Chronic Health Effec	on: classified as a ho ustralia). If product is sw depression. Irritating to the o irritating to skin ir Inhalation of vap the levels listed i (e.g., drowsiness, exposure: skin overexposu in eyes may cause tts: ate irritation to eye	azardous s allowed, eyes. Sy ors is unli in Section , dizziness ore in sor se rednes	substance but Inhalation: may cause rmptoms of o nsitive individ kely under no n 2 (Compositi s, headaches, me sensitive is, itching and	YES nausea, hea verexposure uals, especia rmal conditio ion and Ingra nausea). individuals n watering.	Absorption: Absorption: adache, vomiting a may include redne ally after prolonged a ons of use and handli edient Information) o	YES nd/or diarrhe ess, itching, irr ind/or repeate ing; however, can cause cer	Ingestion: a and central itation and wa ed contact. inhalation of va ntral nervous sy	YES nervous sys tering. May pors in exces sstem depres

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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e: 01/21/2010

				B. COMPO	OSITION &	ING	REDIE	ENTS							
							40		1		MITS IN	I AIR ()	
								GIH om		NOHSC ppm	•		OSHA ppm		OTHER
						%			ES-	ES-	ES-				
2012	CHEMICAL NA		CAS No.	RTECS No.	EINECS No.	70	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	
OLIG	URETHANE ACR OMERS		NA	NA	NA	≤50.0	NA	NA	NF	NF	NF	NA	NA	NA	
	HYLENE GLYCOI THACRYLATE		109-16-0	OZ4100000	203-652-6	≤25.0	NA	NA	NF	NF	NF	NA	NA	NA	
ISOB	ORNYL ACRYLA	ſE	5888-33-5	UD3940000	227-561-6	≤15.0	NA	NA	NF	NF	NF	NA	NA	NA	
SILIC	A		112926-00-8	VV7310000	231-545-4	≤10.0	(6)	NA	(2)	NF	NF	(6)	NA	NA	DUST
	L TRIMETHYLBEN: SPHINATE	ZOYL	75980-60-8	NA	278-355-8	≤ 5.0	NA	NA	NF	NF	NF	NA	NA	NA	
POLY	QUATERNIUM 3	7	26161-33-1	KQ6300000	NA	≤ 5.0	NA	NA	NF	NF	NF	NA	NA	NA	
-	YLENE GLYCOL PRYLATE		68583-51-7	ZC0110000	271-516-3	≤ 2.0	NA	NA	NF	NF	NF	NA	NA	NA	
PPG-	1 TRIDECETH 6		NA	NA	NA	≤ 2.0	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77	891 (TITANIUM I	DIOXIDE)	13463-67-7	XR2275000	236-675-5	≤ 2.0	(10)	NA	NF	NF	NF	(10)	NA	NA	
HYDF (HEM	OXYETHYL METH A)	ACRYLATE	868-77-9	OZ4725000	212-782-2	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
CI 60	725 (VIOLET 2)		81-48-1	CB7700000	201-353-5	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	1			4 . Fl	RST AID M	EASU	RES								
4.1	First Aid: INGESTION:	patient is vo nearest Pois	omiting, contin on Control Ce	nue to offer we	product has be ater or milk. N emergency nu ice that was sw	ever gi nber. I	ve wa Provide	ter or	milk to	an un	consci	ious p	erson.	Cont	act the
	EYES:		e not likely; ho If irritation occ		duct gets in the a physician.	eyes, f	flush w	vith co	pious a	Imoun	ts of Iu	kewar	m wate	er for o	at least
	SKIN:				skin, rinse tho If irritation, red										
	INHALATION:	Remove vic	tim to fresh air	•											
4.2	Medical Condition	ns Aggravated by	Exposure:						HEA	LTH					1
	None known.								FLAA	лма	BILIT	Y			1
									REAG	CTIV	ITY				1
									PRO	TECT			PMF	NT	В
								Ļ							

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		5. FIREFIGHTING ME	ASURES			
5.1	Flashpoint & Method: ND					
5.2	Autoignition Temperature:					
5.3	Flammability Limits:	Lower Explosive Limit (LEL):	ND	Upper Explosive Limit	(UEL):	ND
5.4	Fire & Explosion Hazards: Exothermic polymerization may cause polymerization.	e containers to rupture. Cool o	containers v	vith water to prevent		
5.5	Extinguishing Methods: CO ₂ , Halon, Dry Chemical, Foam					
5.6	Firefighting Procedures: This product is a combustible liquid. Whe to produce carbon oxides. First responders should wear eye prote	· · ·				
	equipment. Use a water spray or fog te extinguishing a fire involving this product		r may not b	e effective in actually		
	6.	ACCIDENTAL RELEASE	MEASUR	RES		
6.1	Spills: Before cleaning any spill or leak, individu For small spills (e.g., <1 gallon) wear app absorbent material and place into appr and federal regulations. Wash all affe contaminated clothing and wash thorou For spills ≥ 1 gallon, deny entry to all un liquid to containers for recovery or d contaminated clothing promptly and was sewers and open bodies of water.	propriate personal protective equip opriate closed container(s) for dis cted areas and outside of conto ghly before reuse. protected individuals. Dike and c lisposal and solid diking materio	oment (e.g., posal. Disp ainer with p ontain spill v al to separe	goggles, gloves). Remo ose of properly in acco enty of warm water ar vith inert material (e.g., ate containers for prop	ove spilled mo rdance with I nd soap. Re sand or earth per disposal.	aterial with ocal, state move any). Transfer Remove
	<u>7. H</u>	ANDLING & STORAGE I	NFORMA	TION		
7.1	Work & Hygiene Practices: Avoid prolonged contact with the produ while handling product.	ct. After use, wash hands and ex	posed skin v	vith soap and water. Do	not eat, drinl	k or smoke
7.2	Storage & Handling: Keep this material away from heat, spot tightly when not in use. Empty contai handled with care. Store containers in a cool, dry location, incompatible materials (see Section 10, 5	ner may contain residual amour away from direct sunlight, other	its of this pr light source	oduct; therefore, empt	y containers heat. Store	should be away from
7.3	Special Precautions: Open containers slowly on a stable surfe	· · · ·			••	•
	amounts of this product; therefore, empty			, containe	,	

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гер	aled to OSHA, AC		e: 01/21/2010						
	8. EXPOSURE CONTROLS & PERSONAL PROTECTION								
8.1	Ventilation & Engineering	ng Controls:							
		th large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans sink or washbasin is available in case of exposure to eyes.). Ensure that an						
8.2	Respiratory Protection:								
	protection autho	atory protection is required under typical circumstances of use or handling. If necessary, use rized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, o ada, its provinces, E.C. member states, or Australia.							
8.3	Eye Protection:								
		e use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 2 rds, or the European Standard EN166.	29 CFR §1910.133,						
8.4	Hand Protection:								
		t prolonged & repeated skin contact will occur during use of this product, wear neoprene or rubber ecessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada or the E.C. me							
8.5	Body Protection:								
	• •	protection is required under typical circumstances of use and handling. If necessary, refer to appr C. member states, or U.S. OSHA.	opriate standards						
	-	9. PHYSICAL & CHEMICAL PROPERTIES							
9.1	Density:	1.1088							
9.2	Boiling Point:	> 212 °F							
9.3	Melting Point:	NE							
9.4	Evaporation Rate:	NE							
9.5	Vapor Pressure:	NE							
9.6	Molecular Weight:	NE							
9.7	Appearance & Color:	White viscous gel.							
9.8	Odor Threshold:	Characteristic acrylate odor.							
9.9	Solubility:	Immiscible.							
9.10	рН	ND							
9.11	Viscosity: 270,000 cPs								
9.12	2 Other Information: ND								
	10. STABILITY & REACTIVITY								
10.1	0.1 Stability: Stable under ambient conditions when stored properly (see Section 7, Storage and Handling).								
10.2	1.2 Hazardous Decomposition Products: If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxide gases (e.g., CO, CO ₂).								
10.3	Hazardous Polymerizati May occur, if exp	on: osed to extremely high temperatures.							
10.4	Conditions to Avoid: None known.								
10.5	Incompatible Substance This product is inc	^{es:} compatible with alkaline metals, strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g r strong bases (e.g., lye, potassium hydroxide).	j., hydrochloric or						

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	11. TOXICOLOGICAL INFORMATION	
	Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data to product, which are found in scientific literature. These data have not been presented in this document.	or the components o
11.2	Acute Toxicity: See Section 2.5	
11.3	Chronic Toxicity: See Section 2.6	
1.4	Suspected Carcinogen:	
1.5	NA Reproductive Toxicity:	
	This product is not reported to cause 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.	
Γ	Reproductive Toxicity:	
1.6	This product is not reported to cause reproductive effects in humans. Irritancy of Product:	
1.7	See Section 2.3 Biological Exposure Indices:	
1.8	NE Physician Recommendations:	
	Treat symptomatically.	
	12. ECOLOGICAL INFORMATION	
2.1	Environmental Stability:	
	There are no specific data available for this product. Effects on Plants & Animals:	
	There are 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 m overexposed aquatic life.	ay be harmful or fat
	13. DISPOSAL CONSIDERATIONS	
	Waste Disposal:	
	Waste disposal must be in accordance with appropriate federal, state, and local regulations. Special Considerations:	
-	NA	
hab	14. TRANSPORTATION INFORMATION	ob mode of transports
	pasic description (proper shipping name, hazard class & division, ID Number, packing group) is shown for ea tional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	
4.1	49 CFR (GND): NOT REGULATED	
	IATA (AIR):	
4.3	NOT REGULATED IMDG (OCN):	
	NOT REGULATED	
4.4		
4.5	NOT REGULATED ADR/RID (EU):	
	NOT REGULATED	
	MEXICO (SCT): NOT REGULATED	
	ADGR (Australia):	
	NOT REGULATED	

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			15. REGULATORY				
15.1	SARA Reporting Require						
	NA						
15.2	SARA Threshold Plannin	• •					
15.0		ific Threshold Planning	Quantities for the compor	ents of this product.			
15.3	TSCA Inventory Status:	of this product are listed	d on the TSCA Inventory as	appropriate.			
15.4	CERCLA Reportable Qu						
	NA						
15.5	Other Federal Requiren						
15.6	This product com Other Canadian Regula		re sections of the Food an	d Drug Administration's 21	CFK SUDChapter G (Co	osmetics).	
15.0	This product has the information re	peen classified accordi equired by the CPR. The	•	f the CPR and the MSDS co luct are listed on the DSL/N nces List.)	
15.7	State Regulatory Inform						
	None of the ingre				-		
15.8	 67/548/EEC (European Union) Requirements: The primary component of this product is not listed in Annex I of EU Directive 67/548/EEC. (Xi) Irritant. R: 36/38-43 Irritating to eyes and skin. May cause sensitization by skin contact. Discontinue use if sensitization occurs. S: 2-20-26 Keep out of reach of children. When using do not eat or drink. If accidental eye contact occurs, flush with water for at least 15 minutes and get prompt medical attention. 						
			16. OTHER INF	ORMATION			
16.1	Other Information:						
		n of children. Do not tal	ke internally. Keep away	from heat and open flame.			
16.2	Terms & Definitions:			•			
	See last page of t	his MSDS.					
16.3	government regu information cont guaranteed and to the specific pr may be changed	lations must be reviewe ained herein is reliable no warranties of any ty oduct(s). If this produc	ed for applicability to this e and accurate as of th ype, either expressed or in	s Hazard Communication product. To the best of Shi iis date; however, accura pplied, are provided. The i per materials, all compone idition.	ipMate's & OPI Produc acy, suitability or cor nformation containec	the npleteness are not herein relates only	
16.4	Prepared for: OPI Products, Inc. 13034 Saticoy Stre No. Hollywood, C +1 (818) 759-2400 +1 (818) 759-5770 http://www.opi.cc	eet A 91605 USA phone fax	0·P·I				
16.5	Prepared by: ShipMate, Inc. P.O. Box 787 Sisters, OR. 97759 +1 (310) 360-3700 +1 (310) 360-5700 http://www.shipm	phone fax	ShipMa Dangerous Training & d	Goods			



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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:

TLV Threshold Limit Value OSHA U.S. Occupational Safety and Health Administration PEL Permissible Exposure Limit	ACGIH	American Conference on Governmental Industrial Hygienists
PEL Permissible Exposure Limit	TLV	Threshold Limit Value
	OSHA	U.S. Occupational Safety and Health Administration
IDIH Immediately Dengerous to Life and Lealth	PEL	Permissible Exposure Limit
Infinediately Dangelous to Life and Health	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.

HEALTH

FLAMMABILITY REACTIVITY

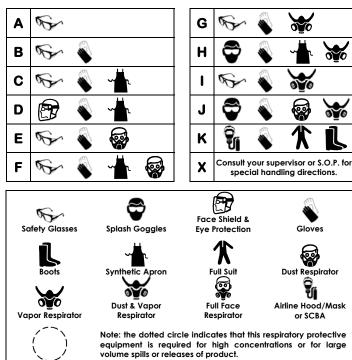
PERSONAL PROTECTION

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:



OTHER STANDARD ABBREVIATIONS:

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

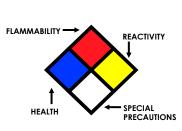
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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			
1	Slight Hazard			
2	Moderate Hazard			
3	Severe Hazard			
4	Extreme Hazard			
ACD	Acidic			
ALK	Alkaline Corrosive			
COR				
-W -	Use No Water			
OX	Oxidizer			



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s					
LC 50	Lethal concentration (gases) which kills 50% of the exposed animal					
ppm	Concentration expressed in parts of material per million parts					
TD _{lo}	Lowest dose to cause a symptom					
TCLo	Lowest concentration to cause a symptom					
TDIo, LDIo, & LDo Or	Lowest dose (or concentration) to cause lethal of					
TC, TC _o , LC _{io} , & LC _o	toxic effects					
IARC	International Agency for Research on Cancer					
NTP	National Toxicology Program					
RTECS	Registry of Toxic Effects of Chemical Substances					
BCF	Bioconcentration Factor					
TLm	m 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)				

EC INFORMATION:

		1×	*	8	X	×	×
С	Е	F	Ν	0	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful