PAL	JL MITCHELL			SAF	ETY [	DAT	Ά	SF	IE	ET					Page 1 of 6 <b>PM-007</b>
Prepa	ared to OSHA, ACC	, ANSI, N	OHSC, WHMIS, 2	2001/58 & 1272/2	008/EC Standard	ls		SDS	Revisio	n: 1.3		SDS	Revisio	n Date:	7/1/2016
	1. PRODUCT & COMPANY IDENTIFICATION														
1.1	Product Name:			TCHELL			PFR	ΜΔ	NEN	тс	REV	мн	ΔIR	COI	OR GRAY
				PAUL MITCHELL – THE COLOR PERMANENT CREAM HAIR COLOR GRAY COVERAGE 9N+ VERY LIGHT NATURAL BLONDE											
1.2	Chemical Name:		NA												
1.3	Synonyms:			PMS – The Color Permanent Cream Hair Color Gray Coverage 9N+ Very Light Natural Blonde											
1.4	Trade Names:			chell Systems -	- The Color Pe	rmanent (	Cream	Hair C	Color C	Gray Co	overag	e 9N+	Very I	_ight N	atural Blonde
1.5	Product Uses & Rest	trictions:	Professional l												
1.6	Distributor's Name:		JPMS Manufa												
1.7	Distributor's Address	6		od Street, Read	-										
1.8	Emergency Phone:			C: +1 (703)		+1 (800	) 424	-930	0 (CC	:N 11	977)				
1.9	Business Phone / Fa	IX:	+1 (610) 374-	4845 / +1(610)	373-7101										
				0.114	74000			A T1/							
					ZARDS I										
	Hazard Identification:       This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia).         WARNING!       MAY CAUSES AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. HARMFUL IF SWALLOWED.         Classification:       Skin Sens. 1; Eye Irrit. 2B; Acute Tox. Oral 4         Hazard Statements (H): H317 – May cause an allergic skin reaction. H319 – Causes serious eye irritation. H302 – Harmful if swallowed.         Precautionary Statements (P): P264 – Wash hands and exposed skin areas with soap and warm water thoroughly after handling. P270 – Do not eat, drink or smoke while using this product. P280 – Wear protective gloves and eye/face protection. P301+P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P305+P351+P338 – IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists: Get medical advice/attention . P322+P313 – If skin irritation occurs: get medical advice/attention. P312 – Call a POISON CENTER/doctor if you feel unwell. P405 – Store locked up. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).         NOTICE: This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries no warranty, expressed or implied, if used by others. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy. If a severe allergic reaction should occur, seek immediate medical attention. This product must not be used for dyeing the eyelashes or evebrows - to do so may cause blindness.														
			3. CC	OMPOSITI	ON & ING	RFDI	FNT	INF	OR	ΤΔΝ	ION				
											SURE L	IMITS IN	I AIR (m	g/m³)	
							AC	GIH		NOHSC			OSHA		
							р	om		ppm			ppm	-	
CHEMI	CAL NAME(S)		CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
	PROPRIETARY BL		NA NA	NA	NA	60-100	NA	NA	NF	NF	NF	NA	NA	NA	
JEINIO	FROFRIETART D			-	-		1						1		
AMMC	NIUM HYDROXID	E	1336-21-6	BQ9625000	215-647-6	≤ 10.0	25	35	25	50	NF	25	NA	NA	25 NIOSH
			Skin Corr. 1B 106-50-3	; H314 SS8050000	203-404-7	NA	NA	NA	NF	(0 1)	NF	(0.1)	NA	25	
p-PHE	NYLENEDIAMINE			*; Eye Irrit. 2; Skir						(0.1)	INF	(0.1)	IN/A	20	
RESORCINOL 108-46-3			VG9625000	203-585-2	NA	NA	NA	NF	NF	NF	NA	NA	NA		
RESO	RCINOL														
2-METHYLRESORCINOL		608-25-3	VH2009500	210-155-8	NA	NA	NA	NF	NF	NF	NA	NA	NA		
			123-30-8	NA	204-616-2	NA	NA	NA	NF	NF	NF	NA	NA	NA	
p-AMII	NOPHENOL														
ETHA	NOLAMINE		141-43-5	KJ5775000	205-483-3	NA	3	6	3	NF	NF	3	6	30	
	Acute Tox. 4 *; Skin Corr. 1B; H332, H312, H302, H314														

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.3 SDS Revision Date: 7/1/2016 4. FIRST AID MEASURES If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk 41 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, if product gets in the eyes. Remove contact lenses, if present and easy Eyes: to do, flush with copious amounts of lukewarm water for at least 15 minutes. Continue rinsing. If eye irritation persists: Get medical advice/attention. If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough Skin: washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. Remove victim to fresh air at once. Inhalation: Effects of Exposure: 4.2 If product is swallowed, may cause nausea, vomiting and/or diarrhea. Ingestion: Irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. Eyes: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in Skin: some sensitive individuals. None expected. Inhalation: 4.3 Symptoms of Overexposure: Overexposure in eyes may cause redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Acute Health Effects: 4.4 Moderate irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas. Chronic Health Effects: 4.5 No harmful or chronic health effects are expected to occur from a single accidental ingestion. Target Organs: 4.6 Eyes, Skin 4.7 Medical Conditions Pre-existing dermatitis, other skin conditions, and disorders of the HEALTH 1 Aggravated by Exposure: target organs (eves. skin). FLAMMABILITY 0 **PHYSICAL HAZARDS** 1 **PROTECTIVE EQUIPMENT** В EYES SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO<sub>2</sub>, and NOx) 5.2 Extinguishing Methods: Water, Foam, CO<sub>2</sub>, Dry Chemical Firefighting Procedures: 53 Fight fires as for surrounding materials. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen, hydrocarbons and/or derivatives. Firefighters should wear a MSHA/NIOSH approved or equivalent self-contained breathing apparatus (SCBA) and protective clothing. Fire should be fought from a safe distance. 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. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. 6. ACCIDENTAL RELEASE MEASURES Spills 6.1 Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Fauipment For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. 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 large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not expose to heat and flame. Use only in ventilated areas. Keep out of the reach of children. 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. Keep away from children at all times! 7.3 Special Precautions: Spilled material may present a slipping hazard. Clean up all spills promptly.

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		8. EXPOSURE CO	NTR	OLS	<u>&amp; PER</u>		L PRO	<b>FECT</b>			
8.1	Exposure Limits:		AC	GIH		NOHSC			OSHA		OTHER
	ppm (mg/m <sup>3</sup> )	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		AMMONIUM HYDROXIDE	25	35	25	50	NF	25	NA	NA	25 NIOSH
		p-PHENYLENEDIAMINE ETHANOLAMINE	NA 3	NA 6	NF 3	(0.1) NF	NF NF	(0.1)	NA 6	25 30	
8.2	Ventilation & Engineering	General mechanical (e.g., fa	-	-	-			-	-		Lise local or general
-	Controls:	exhaust ventilation to effect product. Ensure appropriate	ively re	move a	nd preven	t buildup	of vapors	or mist	genera	ted fron	n the handling of this
8.3	Respiratory Protection:	instances where vapors or needed, use only protection	o special respiratory protection is required under typical circumstances of use or handling. In stances where vapors or sprays of this product are generated, and respiratory protection is eeded, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or e Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC								
8.4	Eye Protection:	Avoid eye contact. None red (e.g., ≥ 1 gallon (3.8 L)) safet						andling	large q	uantities	
8.5	Hand Protection:	Required under normal cor minimum. Use latex or PVC rubber or impervious plastic	gloves.	When	handling la	nt staining arge quant	g and kee ities (e.g., i	p expo ≥ 1 gallo	sure le on (3.8 l	vel to a _)), wea	r 🖤
8.6	Body Protection:	No apron required when has skin and clothing. When has showers should be available product, wash any exposed a	ndling la . Upon	arge qua 1 comple	antities (e.getion of wo	g., ≥ 1 gall ork activitie	on), eye wa s involving	ash stati	ions and	d deluge	JA.
		9. PHYSIC	AI &	CHF	MICAI	PROP	PERTIE	S			
9.1	Appearance:	Cream, white to off-white					<u></u>	-			
9.2	Odor:	Ammoniacal odor									
9.3	Odor Threshold:	NA									
9.4	pH:	NA									
9.5	Melting Point/Freezing Point:	58-62 °C (136.4-143.6 °F)									
9.6	Initial Boiling Point/Boiling	, , ,									
0.0	Range:	NA									
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:	NA									
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. S	TAB	ILITY	′ & RE/	ACTIVI	TY				
10.1	Stability:	Stable under normal conditio	ns; uns	table wi	th heat or o	contaminat	tion.				
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO <sub>2</sub> ),									
10.3	Hazardous Polymerization:	Will not occur.									
10.4	Conditions to Avoid:	Open flames, sparks, high he						t.			
10.5	Incompatible Substances:	Avoid extreme heat and ignit	on sou	rces. Sto	ore away fi	rom oxidiz	ers.				
		11. TOX	ICOL	OGIO	CAL IN	FORM	ATION				
11.1	Routes of Entry:	Inhalation: YES	;		A	bsorption:	YES			Ingest	on: YES
11.2	Toxicity Data:	This product has NOT been available for some of the con	tested c							found ir	scientific literature, is
11.3	Acute Toxicity:	Moderate irritation to eyes drowsiness, dizziness, heada	and sk	kin near	affected					rations	of vapors can cause
11.4	Chronic Toxicity:	This material may aggravate				dition (e.g.	, dermatitis	).			
11.5	Suspected Carcinogen:	This product contains <u>p-Phe</u> Group 3 carcinogens by the I	enylene	diamine	and Reso	orcinol, wh	nich are no	t carcir			

NA

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		11. TOXICOLOGICAL INFORMATION – cont'd
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	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.
.7	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
.8	Biological Exposure Indices:	NE
.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
2.1	Environmental Stability:	There is no specific data available for this product.
	Effects on Plants & Animals:	There are no specific data available for this product.
.3	Effects on Aquatic Life:	There are no specific data available for this product.
	-	13. DISPOSAL CONSIDERATIONS
3.1	Waste Disposal:	Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of in accordance with federal, state and local regulations.
3.2	Special Considerations:	California Waste Code: 331
		14. TRANSPORTATION INFORMATION
The less	basic description (ID Nun	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.
.1	49 CFR (GND):	NOT REGULATED
.2	IATA (AIR):	NOT REGULATED
.3	IMDG (OCN):	NOT REGULATED
.4	TDGR (Canadian GND):	NOT REGULATED
.5	ADR/RID (EU):	NOT REGULATED
.6	SCT (MEXICO):	NOT REGULATED
.7	ADGR (AUS):	NOT REGULATED
		15. REGULATORY INFORMATION
5.1	SARA Reporting Requirements:	Ammonium Hydroxide (as ammonia) and <u>p-Phenylenediamine</u> are subject to the reporting requirements of SARA Title III, Sections 312/313.
5.2	SARA Threshold Planning Quantity:	This product is not subject to the reporting requirements of SARA Title III, Section 302.
.3	TSCA Inventory Status:	All components of this product are listed in the TSCA Inventory or are exempt.
i.4	CERCLA Reportable Quantity (RQ):	Ammonium Hydroxide (Ammonia): 454 kg (1,000 lbs); p-Phenylenediamine: 2,270 kg (5,000 lbs).
5.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, (Cosmetics).
5.6	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.
5.7	State Regulatory Information:	Ammonium Hydroxide (as ammonia) can be found on the following state criteria lists: Illinois Hazardous Substances List (IL); Massachusetts Hazardous Substances List (MA); New Jersey Right-to-Know List (NJ); Pennsylvania Right-to-Know List (PA); Rhode Island Hazardous Substances List (RI). <u>p-Phenylenediamine</u> is found on the following state criteria list: FL, MA, MN, NJ, PA and WA <u>Resorcinol</u> is found on the following state criteria lists: FL, MA, MN, PA, WA and WI. <u>Ethanolamine</u> is found on the following state criteria lists: FL, MA, MN, PA and WA. 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 (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).
.8	Other Requirements:	NA

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		16. OTHER INF	ORMATION				
16.1	Other Information:	<ul> <li>WARNING! CAUSES MILD SKIN IRRITATION. CAUSES EYE IRRITATION. HARMFUL IF INHALED. For external use only. Use only as directed. Discontinue use immediately if irritation develops Keep away from children. Keep container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.</li> <li>This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries no warranty expressed or implied if used by others. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.</li> </ul>					
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 & JPMS Manufacturing, LLC.'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:	JPMS Manufacturing, LLC. 237 Buttonwood Street Reading, PA 19601 USA Tel: +1 (610) 374-4845 Fax: +1 (610) 373-7101	PAUL MITCHELL				
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				

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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

#### 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:

	•••••••••••••••••••••••••••••••••••••••							
A	0		G 🚱 🚯 🚱					
в	0		н 🚱 🚯 🍪 😡					
С	0		I 🗐 🚯 🚱					
D	<b>E</b>		J 🗐 🚯 🚯					
Е	0		к 🚯 🔇 🚯 🔇					
F	0		Consult your supervisor or SOPs fo special handling directions.					
Safe	ety Glasse	es Splash Goggles	s Face Shield & Gloves					
	Boots	Synthetic Apror	n Protective Clothing & Full Suit Dust Respirator					
Full Fa	(Ince Respire	rator Dust & Vapor Ha Mask Respirato						
OTHE	OTHER STANDARD ABBREVIATIONS:							
	ML	Maximum Limit						
	mg/m3	milligrams per cubic met	ter					
	NA	Not Available						
	ND	Not Determined						
	NE	Not Established						

### HAZADD DATINCS

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:

	FRECAUTORS
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 <sub>Io</sub>	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC <sub>o</sub> , LC <sub>lo</sub> , & LC <sub>o</sub>	
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 K <sub>ow</sub> or log K <sub>oc</sub>	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
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	٨	$\bigcirc$	(7)	۲		Ŕ
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:

1ª		N	¥	•	<b>&amp;</b>	×	×
С	E	F	Ν	0	т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

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

### ppm parts per million SCBA Self-Contained Breathing Apparatus NATIONAL FIRE PROTECTION ASSOCIATION: NFPA ELAMMARILITY LIMITS IN AIR

NF Not Found NR No Results

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 will		
	explode or ignite in the presence of an ignition source		