SAFETY DATA SHEET

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PAUL MITCHELL Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.3 SDS Revision Date: 7/1/2016 1. PRODUCT & COMPANY IDENTIFICATION 1.1 Product Name: PAUL MITCHELL – THE COLOR PERMANENT CREAM HAIR COLOR: 8CB LIGHT COOL BLONDE; 9CB VERY LIGHT COOL BLONDE; 10CB LIGHTEST COOL BLONDE 1.2 Chemical Name: NA 1.3 Synonyms: JPMS - The Color Permanent Cream Hair Color: 8CB Light Cool Blonde; 9CB Very Light Cool Blonde; 10CB Lightest Cool Blonde 1.4 Trade Names: Paul Mitchell – The Color Permanent Cream Hair Color: 8CB Light Cool Blonde; 9CB Very Light Cool Blonde; 10CB Lightest Cool Blonde 1.5 Product Uses & Restrictions: Professional Use Only 1.6 Distributor's Name: JPMS Manufacturing, LLC 1.7 237 Buttonwood Street, Reading, PA 19601 USA Distributor's Address: 1.8 Emergency Phone: CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 11977) +1 (610) 374-4845 / +1(610) 373-7101 1.9 Business Phone / Fax: 2. HAZARDS IDENTIFICATION 2.1 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.** Classification: Skin Sens.1; Eye Irrit. 2A Hazard Statements (H): H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. Precautionary Statements (P): P271 - Use only in well-ventilated area. P280 - Wear protective gloves and eye/face protection. 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. P312 - Call a POISON CENTER/doctor if you feel unwell. P332+P313 - If skin irritation occurs: get medical advice/attention. 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 eyebrows - to do so may cause blindness 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC OSHA ppm ppm ppm FS-FS-FS-CAS No. RTECS No. EINECS No. TLV STEL PEL STEL IDLH OTHER CHEMICAL NAME(S) TWA STEL PEAK % NA NA 60-100 NA NF NA NA NA NF NF NA NA JPMS PROPRIETARY BLEND BQ9625000 215-647-6 NA 25 NIOSH 1336-21-6 < 10.0 25 35 25 50 NF 25 NA AMMONIUM HYDROXIDE Skin Corr. 1B; H314 106-50-3 SS8050000 203-404-7 < 1.0 NA NA NF 0.1 NF 25 NA NA P-PHENYI ENEDIAMINE Acute Tox. 3 *; Acute Tox. 3 *; Acute Tox. 3 *; Eye Irrit. 2; Skin Sens. 1; H331, H311, H301, H319, H317 123-30-8 NA 204-616-2 < 1.0 NA NA NF NF NF NA NA NA p-AMINOPHENOL N.N-BIS(2-HYDROXYETHYL)-p-54381-16-7 Na 259-134-5 < 1.0 NA NA NF NF NF NA NA NA PHENYLENEDIAMINE SULFATE Acute Tox. 3; Skin Sens. 1; Eye Irrit. 2; H301, H317, H319 NA 200-237-1 NF NF 55-55-0 < 1.0 NA NA NF NA NA NA p-METHYLAMINOPHENOL SULFATE 2-AMINO-6-CHLORO-228-762-1 NA NA 6358-09-4 NA NA NA NF NF NF NA NA 4-NITROPHENOL 102-71-6 NA 203-049-8 < 1.0 (5) NA NF NF NF NA NA NA TRIETHANOLAMINE Skin Irrit. 2; Eye Irrit. 2; H315, H319

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			4. FIRST AID MEA	SURES						
1.1	First Aid:	Ingestion: DO NOT INDUCE VOMITING. Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control								
			Center or local emergency telephone attention. If vomiting occurs spontan	number for assistance ar	nd instructions. Seek im	mediate medica				
		_	aspiration.							
		<u>Eyes</u> :	If product gets in the eyes, flush eyes holding eyelid(s) open to ensure con following use, consult a physician or er	nplete flushing. If the e	yes or face becomes s					
		Skin:	Remove contaminated clothing and			scomfort persist				
		<u></u>	and/or the skin reaction worsens, co and/or medical attention is sought, do reaction and the causative agent has	ntact a physician immedia not use hair color products	ately. In cases where dis again until the specific i	scomfort persist nature of the ski				
			provided. Do not wear contaminated of							
		Inhalation:	Remove victim to fresh air at once. Ur		breathing stops, perform	artificial				
			respiration. Seek immediate medical a							
4.2	Effects of Exposure:	Ingestion: Eyes:	If product is swallowed may cause nau Moderately irritating to the eyes. Sy irritation and watering.			itching, stinging				
		<u>Skin</u> :	May be irritating to skin. The product sensitization in some sensitive individu		actions (e.g., rashes, we	lts, dermatitis) o				
		Inhalation:	May cause mild, transient respiratory mists.	irritation. Avoid prolong	ed contact with concen	trated vapors o				
4.3	Symptoms of Overexposure:	Ingestion:	Nausea, intestinal discomfort, vomiting							
		Eyes:	Overexposure in eyes may cause redn							
		Skin: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The pro can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.								
4.4	Acute Health Effects:	Moderate irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering Moderate irritation to skin near affected areas.								
4.5	Chronic Health Effects:	No chronic	health effects are expected to occur from	a single accidental ingesti	on.					
4.6	Target Organs:	Eyes, skin.								
4.7	Medical Conditions	Pre-existing	dermatitis, other skin conditions, and	disorders of the HEAL	TH	1				
	Aggravated by Exposure:	target organ	ns (eyes and skin).		MABILITY	0				
					ICAL HAZARDS	1				
				PROT	ECTIVE EQUIPMENT	B				
				ETES	SKIN					
	r		5. FIREFIGHTING M							
5.1	Fire & Explosion Hazards:		t is not flammable. However, if involved to form toxic gases (e.g., CO, CO ₂ , and		decompose at high					
5.2	Extinguishing Methods:		m, CO ₂ , Dry Chemical							
5.3	Firefighting Procedures:	Thermal de derivatives. breathing a Keep conta and to prote	as for surrounding materials. Hazardon egradation may produce oxides of ca Firefighters should wear a MSHA/NI pparatus (SCBA) and protective clothing iners cool until well after the fire is out. ect personal. Fight fire upwind. Prevent ins, drinking water supply, or any natural	rbon and/or nitrogen, h OSH approved or equiv Fire should be fought fr Use water spray to cool fi unoff from fire control or c	ydrocarbons and/or alent self-contained om a safe distance. re-exposed surfaces					
	•	1,		•						
6.1	Spills:	Before de	6. ACCIDENTAL RELEAS aning any spill or leak, individuals invo		et wear appropriate De	reonal Protoctiv				
		Equipment								
		For <u>small spills</u> (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 <u>large spills</u> (e.g., \geq 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert								
		containers	g., sand or earth). Transfer liquid to con for proper disposal. Remove contamina p spills and cleaning runoffs out of munic	ted clothing promptly and	wash affected skin are					

10.5

Incompatible Substances:

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		7. HANDLIN	IG &	STO	RAGE	INFOF	RMATIC	DN			
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke w and clothing. Do not expose unintentional residues with so	to hea	t and fla	ime. Use o						
7.2	Storage & Handling:	sunlight. Avoid temperatures	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	a slippi	ng haza	rd. Clean	up all spill	s promptly.				
				<u></u>							
	8. EXPOSURE CONTROLS & PERSONAL PROTECTION										
8.1	Exposure Limits: ppm (mg/m ³)	CHEMICAL NAME(S) AMMONIUM HYDROXIDE	AC TLV 25	GIH STEL 35	ES-TWA 25	NOHSC ES-STEL 50	ES-PEAK NF	PEL 25	OSHA STEL NA	IDLH NA	OTHER 25 NIOSH
		P-PHENYLENEDIAMINE	NA	NA	NF	0.1	NF	NA	NA	25	23 110311
		TRIETHANOLAMINE	(5)	NA	NF	NF	NF	NA	NA	NA	
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., far exhaust ventilation to effectiv product. Ensure appropriate of	/ely re	move a	nd preven	t buildup	of vapors	or mist	generat	ted fron	n the handling of this
8.3	Respiratory Protection:	No special respiratory protect instances where vapors or s needed, use only protection a the Canadian CAS Standard member States, or Australia.	sprays uthoriz	of this ed by 2	product a 9 CFR §19	nre genera 910.134, a	ted, and r	espirato .S. Stat	ory prote e regula	ection in itions, o	s r
8.4	Eye Protection:	Avoid eye contact. None requ (e.g., ≥ 1 gallon (3.8 L)) safety						nandling	large q	uantitie	s 😝
8.5	Hand Protection:	minimum. Use latex or PVC g	Required under normal conditions of use to prevent staining and keep exposure level to a minimum. Use latex or PVC gloves. When handling large quantities (e.g., ≥ 1 gallon (3.8 L)), wear rubber or impervious plastic gloves must be worn.								
8.6	Body Protection:	skin and clothing. When han showers should be available.	No apron required when handling small quantities. Lab coat or apron should be worn to protect skin and clothing. When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.								
		9. PHYSICA						S			
9.1	Appearance:	Cream, light peach color		•							
9.2	Odor:	Ammoniacal odor									
9.3	Odor Threshold:	NA									
9.4	pH:	NA									
9.5	Melting Point/Freezing Point:	60-65 °C (140-149 °F)									
9.6	Initial Boiling Point/Boiling Range: Flashpoint:	NA									
9.7 9.8	Upper/Lower Flammability Limits:	NA NA									
9.9	Vapor Pressure:	NA									
9.10	Vapor Density:	NA									
9.11	Relative Density:	NA									
9.12	Solubility:	Dispersible									
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 condition	is; unst	able wit	h heat or o	contaminat	ion.				
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO ₂),	nitroge	n (NO _x)	and sulfu	r (SO ₂).					
10.3	Hazardous Polymerization:	Will not occur.									
10.4	Conditions to Avoid:	Open flames, sparks, high hea						t.			

Avoid extreme heat and ignition sources. Store away from oxidizers.

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11. TOXICOLOGICAL INFORMATION Inhalation: NO Absorption: YES 11.1 Routes of Entry: Ingestion: YES 112 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 but is not presented in this document 11.3 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: This product contains p-Phenylenediamine, which is not carcinogenic to humans, but is listed as Group 3 carcinogens by the IARC. This product contains p-Phenylenediamine listed by ACGIH in group A4. 116 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. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. 11.7 Irritancy of Product: 11.8 Biological Exposure Indices: NE Physician Recommendations: 11.9 Treat symptomatically. 12. ECOLOGICAL INFORMATION Environmental Stability: 12.1 There is no specific data available for this product. 12.2 Effects on Plants & Animals There are no specific data available for this product. Effects on Aquatic Life: 12.3 There are no specific data available for this product. 13. DISPOSAL CONSIDERATIONS Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste 13.1 Waste Disposal: 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. California Waste Code: 331 13.2 Special Considerations 14. TRANSPORTATION INFORMATION The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. 14.1 49 CFR (GND): NOT REGULATED

	. ,	HOT HEODEL HEB
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED

	15. REGULATORY INFORMATION						
15.1	SARA Reporting Requirements:	This product contains <u>p-Phenylenediamine</u> and <u>Ammonium Hydroxide</u> (as ammonia) substances subject to SARA Title III, section 313 reporting requirements.					
15.2	.2 SARA Threshold Planning Quantity: This product is not subject to the reporting requirements of SARA Title III, Section 302.						
15.3	TSCA Inventory Status:	All components of this product are listed in the TSCA Inventory or are exempt.					
15.4	CERCLA Reportable Quantity (RQ):	Ammonium Hydroxide (Ammonia): 454 kg (1,000 lbs); p-Phenylenediamine: 2,270 kg (5,000 lbs).					
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. WHMIS D2B (Other Toxic Effects).					

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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 15. REGULATORY INFORMATION – cont'd Ammonium Hydroxide (as ammonia) can be found on the following state criteria lists: Illinois Hazardous Substances List 15.7 State Regulatory Information: (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). p-Phenylenediamine is found on the following state criteria list: FL, MA, MN, NJ, PA and WA Triethanolamine is found on the following state criteria lists: FL, MA, MN, and PA. 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). 15.8 Other Requirements: NA 16. OTHER INFORMATION WARNING! CAUSES MILD SKIN IRRITATION. CAUSES EYE IRRITATION. For external use only. Use only as 16 1 Other Information: 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. 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 evelashes or eyebrows; to do so may cause blindness. 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 16.5 Prepared by: ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Shiply Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 Dangerous Goods Training & Consulting http://www.shipmate.com

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DEFINITION OF TERMS

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:

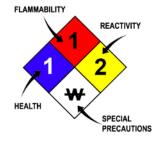
0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:

1 2100					_						
Α						G		F			
В						Н		E			
С			Ę,I			I		F			
D	B					J	0	F			
Е						κ	F	F			
F			Ę,I			X			uperviso Ig directio		
Sa	Safety Glasses Splash Goggles				Ρ		Shield &		GI	oves	5
	Boots Synthetic Apron			c Apron	Ρ		tive Cloth	ning	Dust R	e spi	rator
Full F	Full Face Respirator						ull Face spirator		Airline H or S		
ОТН	ER STAN	DARD	ABBRE\	IATIONS	:						
	ML	Maxin	num Limit								
	mg/m3	milligr	ams per cu	bic meter							
	NA	Not A	vailable								
	ND	Not D	etermined								
	NE	Not E	stablished								
NE Net Found											

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

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



TOXICOLOGICAL INFORMATION:

LD 50	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC 50	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD _{Io}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD _{Io} , LD _{Io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC _o , LC _{lo} , & LC _o	
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 _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

THE O'DE AT C	
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	٢	$\textcircled{\begin{subarray}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	1	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	¥	•	&	×	×
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

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			