ΑŪ	JL MITCHELL		SAF	ETY	DAT	` A :	SH	IEE	ΕT					Page 1 of 6 PM-004
ера	ared to OSHA, ACC, ANSI, N	OHSC, WHMIS, 2	2001/58 & 1272/2	2008/EC Standa	rds		SDS I	Revisior	n: 1.3		SDS I	Revision	Date:	7/1/2016
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			PRODUC											
	Product Name:	PAUL M	ITCHELL	– THE CO	olor I	PER	MAN	IENT	CR	EAN	ΛHA	AIR (COL	OR 7PN
		PEARL	NATURAL	_ SMOKY	NATU	RAL	BLC	OND	E					
	Chemical Name:	NA												
	Synonyms:		Color Permane	ent Cream Hair	Color 7PM	N Pearl	Natur	al Smo	ky Nat	tural B	londe			
	Trade Names:	John Paul Mit	tchell Systems	– The Color P	ermanent	Cream	Hair C	olor 7F	PN Pea	arl Nat	ural Sr	moky N	latural	Blonde
	Product Uses & Restrictions:	Professional	Use Only											
	Distributor's Name:		acturing, LLC											
	Distributor's Address:		ood Street, Rea											
	Emergency Phone:		EC: +1 (703)		/ +1 (800) 424	-9300) (CC	N 11	977)				
	Business Phone / Fax:	+1 (610) 374-	-4845 / +1(610) 373-7101										
			2 H	AZARDS		IFIC	ΔΤΙΟ)N						
	Hazard Identification:	This product	is classified a									3000	3	
			the classification										-	
		WARNING!	MAY CAUS	ES AN ALLE	RGIC SK							S EYE	Ξ	
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			: Skin Sens. 1; ments (H): H3				roacti	ion 4	210	Causa	e cori		~	
			02 – Harmful if			JIC SKI	Teacu	011. 11.	519 -	Cause	5 5010	Jus eye	-	
		Precautionary	y Statements (P): P264 – Wa	ash hands	and ex	posed	l skin a	areas v	with sc	ap an	d warm	n	
		water thoroug	ghly after handl	ling. P270 – D	o not eat,	drink o	r smok	e while	e using	g this p	roduct	t. P280)	^
			water thoroughly after handling. P270 – Do not eat, drink or smoke while using this prod – Wear protective gloves and eye/face protection. P301+P312 – IF SWALLOWE											
POISON CENTER or doctor/physician if you feel unwell. P305+P351+P338 – IF IN E Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 – If eye irrit							I. P3	05+P3	51+P3	38 –	IF IN	EYES	:	
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MS MC HE SO	PROPRIETARY BLEND DNIUM HYDROXIDE ENYLENEDIAMINE RCINOL INOPHENOL	Remove cont persists: Get advice/attenti up. P501 – (TSDF). NOTICE: Thi hairdresser o AN ALLERG and temporar seek immedia eyebrows - to 3. CC CAS No. NA 1336-21-6 Skin Corr. 1B 106-50-3 Acute Tox. 3 108-46-3	Act lenses, if p t medical adv on. P312 – (Dispose of cc s product is de inly, and carrie IC REACTION ry henna, may ate medical at o do so may car DMPOSIT BQ9625000 r; H314 S88050000 r; Eye Irit. 2; Ski VG9625000	tor/physician i resent and ear rice/attention. Call a POISON ontents/contair esigned and in s no warranty . Preliminary increase the r tention. This use blindness. ION & IN 215-647-6 203-404-7 n Sens. 1; H331 203-585-2	f you feel sy to do. C P332+P3 I CENTER CENTER tended for expressed patch testi isk of aller product m GREDI % 60-100 ≤ 10.0	Unwel Continu 13 – / /doctor censed use b d or im ing is n gy. If a ust no ENT ELV NA 25 NA 1, H319 NA	I. P3 e rinsi f skin if you treatn y a lice polied, ecomn a seve t be u INF GIH m STEL NA 35 NA , H317 NA	05+P3 ng. P3 irritat feel un nent, s ensed of if used re aller sed for ORN Es. TWA NF 25 NF NF	51+P3 37+P3 ion o well. I torage cosme by oti . Tatti rgic rea dyeir IATII EXPOS NOHSC ppm ES- STEL NF 50 (0.1) NF	338 - 313 - I ccurs: P405 - a or di tologis hers. oos, ir action ng the ON SURE LI ES- PEAK NF NF NF NF	IF IN f eye i get 1 - Store sposal tt/profe CAN ncludin should eyela: <u>MITS IN</u> <u>PEL</u> NA 25 (0.1) NA	EYES rritatior medica lockee l facility essiona CAUSE g black d occur shes o AIR (mg OSHA ppm STEL NA NA NA NA NA	: n n i j j y i I E K K ; r I DLH NA 25 NA NA	

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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 eves. 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. 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 harmful or chronic health effects are expected to occur from a single accidental ingestion. 4.6 Target Organs: Eyes, Skin 4.7 Medical Conditions HEALTH Pre-existing dermatitis, other skin conditions, and disorders of the 1 Aggravated by Exposure: target organs (eyes, 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, CO₂, and NOx). 5.2 Extinguishing Methods: Water, Foam, CO2, Dry Chemical 5.3 Firefighting Procedures: 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 61 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 (3.8 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 eves, 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! Special Precautions: Spilled material may present a slipping hazard. Clean up all spills promptly. 7.3

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SDS Revision Date: 7/1/2016

		8. EXPOSURE CO	NTR	OLS	& PER	SONA	L PRO	TECT	ΓΙΟΝ		
8.1	Exposure Limits:			GIH		NOHSC			OSHA		OTHER
	ppm (mg/m ³)	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	NA	NA	NF	(0.1)	NF	(0.1)	NA	25	
8.2	Ventilation & Engineering	ETHANOLAMINE	3	6	3	NF	NF	3	6	30	
0.2	Controls:	General mechanical (e.g., fa exhaust ventilation to effecti									
		product. Ensure appropriate									
8.3	Respiratory Protection:	No special respiratory protect									
		instances where vapors or	sprays	of this	product a	re genera	ted, and r	respirate	ory prote	ection is	s
		needed, use only protection a									
		the Canadian CAS Standar member States, or Australia.	d Z94.	.4-93 ai	nd applica	ble standa	ards of Ca	anadian	Provin	ces, EC	
8.4	Eye Protection:	Avoid eye contact. None req	uirod u	nder no	rmal condi	tions of us	o When h	andling	n large g	uantitio	
		(e.g., \geq 1 gallon (3.8 L)) safet						anunng	y large q	uantities	
8.5	Hand Protection:									val ta v	
0.0	Hand Frotection.	Required under normal con minimum. Use latex or PVC									
		rubber or impervious plastic g				ingo quant	1100 (0.g.,	_ r gui	011 (0.01	_)), wea	
8.6	Body Protection:	No apron required when har	ndling s	small qu	antities. La	ab coat or	apron sho	ould be	worn to	protec	t
		skin and clothing. When har	ndling la	arge qua	antities (e.o	g., ≥ 1 galle	on), eye wa	ash stat	tions and	d deluge	e Ja
		showers should be available.						large o	quantitie	s of this	
		product, wash any exposed a	reas th	orougni	y with soap	and wate	r.				
		9. PHYSIC	<u> </u>	CHE	MICAI		PERTIE	s			
9.1	Appearance:	Cream, white to off-white						.0			
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	NA									
9.7	Range: Flashpoint:										
9.7	Upper/Lower Flammability	NA									
5.0	Limits:	NA									
9.9	Vapor Pressure:	NA									
9.10	Vapor Density:	NA									
9.11	Relative Density:	NA									
9.12	Solubility:	Partial									
9.13 9.14	Partition Coefficient (log P _{ow}): Autoignition Temperature:	NA									
9.14	Decomposition Temperature:	NA									
9.16	Viscosity:	NA									
9.17	Other Information:	NA									
		10. S	TAB	ΙΙ ΙΤΥ	' & RE/		ТҮ				
10.1	Stability:	Stable under normal condition									
10.2	Hazardous Decomposition	Oxides of carbon (CO, CO ₂),	-								
10.3	Products: Hazardous Polymerization:	Will not occur.		,		. ,					
10.3	Conditions to Avoid:	Open flames, sparks, high he	at inco	mnatihl	e substand	es and dir	ect sunligh	nt			
10.4	Incompatible Substances:	Avoid extreme heat and igniti						ı . .			
		11. TOXI	COI	OGIO		FORM	ATION				
11.1	Routes of Entry:	Inhalation: YES				bsorption:				Ingest	ion: YES
11.2	Toxicity Data:	This product has NOT been t	ested c	on anima			=-	oxicoloc	gy data.	-	. = 0
		available for some of the com									
11.3	Acute Toxicity:	Moderate irritation to eyes	and sk	kin near	affected					rations	of vapors can cause
		drowsiness, dizziness, heada						-			
11.4	Chronic Toxicity:	This material may aggravate a									
11.5	Suspected Carcinogen:	This product contains <u>p-Phe</u>									
		Group 3 carcinogens by the L	ARC.	i nis pro	uuct conta	ns p-Phen	iyienediam	<u>ine</u> , whi	ich is list	lea by A	CGIH IN group A4.

15.8 Other Requirements:

NA

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		11. TOXICOLOGICAL INFORMATION – cont'd
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.
<u> </u>	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
}	Biological Exposure Indices:	NE
)	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
1	Environmental Stability:	There is no specific data available for this product.
2	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
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.
2	Special Considerations:	California Waste Code: 331
		14. TRANSPORTATION INFORMATION
		nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additiona
		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
.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.
.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.
4	CERCLA Reportable Quantity (RQ):	Ammonium Hydroxide (Ammonia): 454 kg (1,000 lbs); p-Phenylenediamine: 2,270 kg (5,000 lbs).
.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G (Cosmetics).
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.
.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
		Resorcinol is found on the following state criteria lists: FL, MA, MN, PA, WA and WI.
		Ethanolamine 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 liste: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Elevida Taxia Substance
		criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (EL), Massachusette Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous

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).

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		16. OTHER INFO	RMATION					
16.1	16.1 Other Information: WARNING! CAUSES MILD SKIN IRRITATION. CAUSES EYE IRRITATION. HARMFUL IF INHALED. For extern use only. Use only as directed. Discontinue use immediately if irritation develops Keep away from children. Ke container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediate with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If ca of accident or if you feel unwell seek medical advice immediately (show the label where possible). KEEP LOCKED I AND OUT OF REACH OF CHILDREN. This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries warranty expressed or implied if used by others. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allerg reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes eyebrows; to do so may cause blindness.							
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.						
16.3	Disclaimer:	government regulations must be reviewed for Manufacturing, LLC.'s knowledge, the information accuracy, suitability or completeness is not guara provided. The information contained herein relat	SHA's Hazard Communication Standard, 29 CFR §1910.1200. Other applicability to this product. To the best of ShipMate's & JPMS a contained herein is reliable and accurate as of this date; however, nteed and no warranties of any type, either expressed or implied, are es only to the specific product(s). If this product(s) is combined with e considered. Data may be changed from time to time. Be sure to					
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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SDS Revision Date: 7/1/2016

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:

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			Χ			uperviso Ig directio		
Sa	fety Glass	es	Splash	Goggles	Ρ		Shield &		GI	oves	5
	Boots		Syntheti	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								
		Not E									

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:

	PRECAUTIONS
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 _{lo} , LD _{lo} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC _o , LC _{io} , & 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:

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:

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

EC (67/548/EEC) INFORMATION:

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С	E	F	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 othe					
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					