Product Name:

Chemical Name:

Synonyms:

Trade Names:

Distributor's Name:

Emergency Phone:

Distributor's Address:

Business Phone / Fax:

Product Uses & Restrictions:

1.2

1.3

1.4

1.5

1.6

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1.8

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4.1 First Aid:

Ingestion:

SAFETY DATA SHEET

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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

1. PRODUCT & COMPANY IDENTIFICATION
PAUL MITCHELL – THE COLOR PERMANENT CREAM HAIR COLOR GRAY
COVERAGE 3N+ DARK NATURAL BROWN
NA .
JPMS – The Color Permanent Cream Hair Color Gray Coverage 3N+ Dark Natural Brown
Paul Mitchell – The Color Permanent Cream Hair Color Gray Coverage 3N+ Dark Natural Brown
Professional Use Only
JPMS Manufacturing, LLC
237 Buttonwood Street, Reading, PA 19601 USA

2. HAZARDS IDENTIFICATION

CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 11977)

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! CAUSES MILD SKIN IRRITATION. CAUSES EYE IRRITATION. HARMFUL IF

SWALLOWED.

Classification: Skin Irrit. 3; Eye Irrit. 2B; Acute Tox. Oral 4

+1 (610) 374-4845 / +1(610) 373-7101

<u>Hazard Statements</u> (H): H316 – Causes mild skin irritation. H320 – Causes 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. 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).



3. COMPOSITION & INGREDIENT INFORMATION

								EXPO	SURE L	IMITS IN	AIR (mo	ı/m³)	
					AC	GIH		NOHSC			OSHA	,,	
					pp	m		ppm			ppm		
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
JPMS PROPRIETARY BLEND	NA	NA	NA	60-100	NA	NA	NF	NF	NF	NA	NA	NA	
JPINS PROPRIETART BLEID													
AMMAONIII IMA LIVODOVIDE	1336-21-6	BQ9625000	215-647-6	≤ 10.0	25	35	25	50	NF	25	NA	NA	25 NIOSH
AMMONIUM HYDROXIDE	Skin Corr. 1B;	H314											
D DUENN ENEDIAMINE	106-50-3	SS8050000	203-404-7	NA	NA	NA	NF	(0.1)	NF	(0.1)	NA	25	
P-PHENYLENEDIAMINE	Acute Tox. 3 *; Eye Irrit. 2; Skin Sens. 1; H331, H311, H301, H319, H317												
DECORONOL	108-46-3	VG9625000	203-585-2	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
RESORCINOL													
4 NARUTUOI	90-15-3	NA	201-969-4	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
1-NAPHTHOL	Acute Tox. 4 *	; STOT SE 3; Sk	in Irrit. 2; Eye Da	m. 1; H312	, H302,	H335,	H315, I	H318					
2,4-DIAMINOPHENOXYETHANOL	66422-95-5	NA	266-357-1	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
HCI													
ETHANIOLANINE	141-43-5	KJ5775000	205-483-3	< 1.0	3	6	3	NF	NF	3	6	30	
ETHANOLAMINE	Acute Tox. 4 *	Skin Corr. 1B; F	1332, H312, H30	2, H314				•	•				•

4. FIRST AID MEASURES

DO NOT INDUCE VOMITING. Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control

	_ 	Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
	Eyes:	If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If the eyes or face becomes swollen during or following use, consult a physician or emergency room immediately.
	<u>Skin</u> :	Remove contaminated clothing and wash affected areas with soap and water. If discomfort persists and/or the skin reaction worsens, contact a physician immediately. In cases where discomfort persists and/or medical attention is sought, do not use hair color products again until the specific nature of the skin reaction and the causative agent has been identified by a dermatologist, and appropriate medical advice provided. Do not wear contaminated clothing until after it has been properly cleaned.
	Inhalation:	Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial respiration. Seek immediate medical attention.

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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 - cont'd If product is swallowed may cause nausea, vomiting and/or diarrhea. 42 Effects of Exposure: Ingestion: Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) or Skin: sensitization in some sensitive individuals. May cause mild, transient respiratory irritation. Avoid prolonged contact with concentrated vapors or mists. Inhalation Symptoms of Overexposure: 4.3 Nausea, intestinal discomfort, vomiting and/or diarrhea. Ingestion: Overexposure in eyes may cause redness, itching and watering. Eyes: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product Skin: 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. Chronic Health Effects: 4.5 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 Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** 1 Aggravated by Exposure: target organs (eyes, skin, and respiratory system). **FLAMMABILITY** 0 **PHYSICAL HAZARDS** 1 PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES 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). 5.1 Fire & Explosion Hazards: Extinguishing Methods: 5.2 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 6.1 Spills Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., < 1 gallon (3.8 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., ≥ 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 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. Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct 7.2 Storage & Handling: 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: 7.3 Spilled material may present a slipping hazard. Clean up all spills promptly.



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Vapor Density:

Solubility:

Viscosity:

Other Information:

Relative Density:

Partition Coefficient (log Pow):

Decomposition Temperature:

Autoignition Temperature:

NA

NA

NA

NA

NA

NA

NA

Partial

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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 8. EXPOSURE CONTROLS & PERSONAL PROTECTION 8.1 Exposure Limits: ACGIH NOHSC OTHER ppm (mg/m³) ES-TWA ES-PEAK CHEMICAL NAME(S) TLV STEL **ES-STEL** 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 **ETHANOLAMINE** 6 NF NF 6 30 8.2 Ventilation & Engineering General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general Controls: exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). 8.3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia. 8.4 Eye Protection: Avoid eye contact. None required under normal conditions of use. When handling large quantities (e.g., ≥ 1 gallon (3.8 L)) safety glasses with side shields should be used. 8.5 Hand Protection: 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: 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. PHYSICAL & CHEMICAL PROPERTIES 9.1 Appearance: Cream, white to off-white 92 Odor: Ammoniacal odor 9.3 Odor Threshold: NA 9.4 NA 9.5 Melting Point/Freezing Point: 58-62 °C (136.4-143.6 °F) 9.6 Initial Boiling Point/Boiling NA Range: 9.7 Flashpoint: NA 9.8 Upper/Lower Flammability NA Limits: Vapor Pressure: 99 NA

10. STABILITY & REACTIVITY

10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO ₂), nitrogen (NO _x) and sulfur (SO ₂).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat, incompatible substances and direct sunlight.
10.5	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers.

SAFETY DATA SHEET

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 7/1/2016 11. TOXICOLOGICAL INFORMATION Inhalation: YES Absorption: YES 11.1 Routes of Entry: Ingestion: YES 11 2 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 and Resorcinol, which are not carcinogenic to humans, but are listed as Group 3 carcinogens by the IARC. This product contains p-Phenylenediamine, which is 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. 11.7 Irritancy of Product: The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. 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. 12.3 Effects on Aquatic Life: There are no specific data available for this product. 13. DISPOSAL CONSIDERATIONS 13.1 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. 13.2 Special Considerations: California Waste Code: 331 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 49 CFR (GND): 14.1 NOT REGULATED 14.2 IATA (AIR): NOT REGULATED 14.3 IMDG (OCN): **NOT REGULATED** 14.4 TDGR (Canadian GND): **NOT REGULATED** ADR/RID (EU): 14.5 **NOT REGULATED** SCT (MEXICO): 14.6 **NOT REGULATED** ADGR (AUS): 14.7 NOT REGULATED 15. REGULATORY INFORMATION SARA Reporting 15.1 Ammonium Hydroxide (as ammonia) and P-Phenylenediamine are subject to the reporting requirements of SARA Title Requirements: III, Sections 312/313. 15.2 SARA Threshold Planning This product is not subject to the reporting requirements of SARA Title III, Section 302. Quantity: 15.3 TSCA Inventory Status All components of this product are listed in the TSCA Inventory or are exempt. 15.4 CERCLA Reportable Quantity Ammonium Hydroxide (Ammonia): 454 kg (1,000 lbs); p-Phenylenediamine: 2,270 kg (5,000 lbs). (RQ): 15.5 Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G. (Cosmetics) Other Canadian Regulations: 15.6 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.

Prepared by:

16.5

ShipMate, Inc.

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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 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 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. HARMFUL IF SWALLOWED. For Other Information: external use only. Use only as directed. Discontinue use immediately if irritation develops. Wash hands and exposed skin areas with soap and warm water thoroughly after handling. Do not eat, drink or smoke while using this product. Wear protective gloves and eye/face protection. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation occurs: get medical advice/attention. Store locked up. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN. 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

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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

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	
С	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	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.

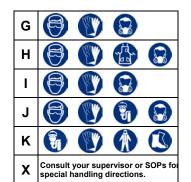
HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D		THE THE	
E			
F		THE STATE OF THE S	





plash Goggles













Full Face Respirator



Full Face Respirator

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

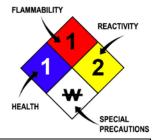
ML	IL Maximum Limit	
mg/m3	milligrams per cubic meter	
NA	Not Available	
ND	Not Determined	
NE	Not Established	
NF	Not Found	
NR	No Results	
ppm	parts per million	
SCBA	Self-Contained Breathing Apparatus	

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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			

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
ОХ	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 _{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
TL _m	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	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:

0	(*)	(2)	(3)	\odot	(4)		
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:

•	,						
17.4		No.	*		® X	X	×
С	E	F	N	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

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