Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 2.0

SDS Revision Date: 1/30/2018

	1. PRODUCT & COMPANY IDENTIFICATION			
1.1	Product Name:	PULP RIOT PERMANENT HAIR COLORS		
1.2	Chemical Name:	Dye Solution		
1.3	Synonyms:	Pulp Riot Toners: Natural, Silver, Violet, Icy, Ash, Rose Gold		
1.4	Trade Names:	Permanent Hair Colors		
1.5	Product Uses & Restrictions:	Professional Cosmetic Use Only		
1.6	Distributoros Name:			
1.7	Distributoros Address:			
1.8	Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 10069)		
1.9	Business Phone / Fax:			
	1			

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

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

<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

					EXPOSURE LIMITS IN AIR (mg/m³)								
					ACGIH			NOHSC			OSHA		
					pp	ppm		ppm		ppm			
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
AQUA (WATER/EAU)	7732-18-5	ZC0110000	231-791-2	25-80	NA	NA	NF	NF	NF	NA	NA	NA	
AMMONIUM HYDROXIDE	1336-21-6	BQ9625000	215-647-6	m10.0	25	35	25	50	NF	25	NA	NA	25 NIOSH
		Aquatic Acute 1											1
P-PHENYLENEDIAMINE	106-50-3	NA Free Irrit 2: Skir	203-404-7 n Sens. 1; H331,	m2 H311 H30	(0.1)	NA H317	NF	NF	NF	(0.1)	NA	NA	
TOLUENE-2,5-DIAMINE SULFATE	615-50-9	VH2009500	210-431-8	m2	NA	NA	NF	NF	NF	NA	NA	NA	
TOLOLITE 2,0 DI WINTE OOLI ATE	Acute Tox. 3 *	; Skin sens. 1; A	cute Tox. 4; Aqu	atic Chroni	c 2; H30	01, H31	7, H332	2, H411					
4-AMINO-2-HYDROXYTOLUENE	2835-95-2	SJ6090000	220-618-6	m2	NA	NA	NF	NF	NF	NA	NA	NA	
1-NAPHTHOL	90-15-3	NA	201-969-4	m2	NA	NA	NF	NF	NF	NA	NA	NA	OEL: (0.5)
m-AMINOPHENOL	591-27-5	NA	209-711-2	m2	NA	NA	NF	NF	NF	NA	NA	NA	
1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE	155601-30-2	NA	209-711-2	m2	NA	NA	NF	NF	NF	NA	NA	NA	
N,N-BIS-HYDROXYETHYL-p-	54381-16-7	NA	259-134-5	m2	NA	NA	NF	NF	NF	NA	NA	NA	
PHENYLENEDIAMINE SULFATE	· · · · · · · · · · · · · · · · · · ·		e Irrit. 2; H301, H										
2-METHYLRESORCINOL	608-25-3 Acute Tox. 3:	VH2009500 Skin Sens. 1: Ev	210-155-8 re Dam. 1; Aquati	m2 c Acute 1:	NA H301. F	NA 1317. H	NF 318. H	NF 400	NF	NA	NA	NA	
RESORCINOL	108-46-3	VG9625000	203-585-2	m2	NA	NA	NF	NF	NF	NA	NA	NA	
4-AMINO-M-CRESOL	2835-99-3	GO6826000	220-621-2	m2	NA	NA	NF	NF	NF	NA	NA	NA	
P-AMINOPHENOL	591-27-5	NA	209-711-2	m2	NA	NA	NF	NF	NF	NA	NA	NA	
PROPRIETARY INGREDIENTS	NA	NA	NA	BAL	NA	NA	NF	NF	NF	NA	NA	NA	

#### 4. FIRST AID MEASURES

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 1/30/2018 If ingested, DO NOT induce vomiting. If product has been swallowed, drink plenty of water or milk 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 Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician. 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. Inhalation: Remove victim to fresh air at once. 4. FIRST AID MEASURES - cont'd 4.2 Effects of Exposure: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Ingestion: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and Eyes: Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in 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: Moderate irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. 4.4 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. 46 Target Organs: Eyes, skin 47 Medical Conditions Pre-existing dermatitis, other skin conditions, and disorders of the HEALTH 1 Aggravated by Exposure: target organs (eyes and skin). **FLAMMABILITY** 0 PHYSICAL HAZARDS 1 В PROTECTIVE EQUIPMENT SKIN **EYES** 5. FIREFIGHTING MEASURES Fire & Explosion Hazards: 5.1 This product is not flammable. Extinguishing Methods: 5.2 CO<sub>2</sub>, Halon (if permitted), Dry Chemical, Foam, as authorized. 5.3 Firefighting Procedures: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressuredemand) and full protective gear. 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. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6. ACCIDENTAL RELEASE MEASURES 6 1 Spills Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). Keep incompatible materials (e.g., organics such as oil) away from spill. 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). 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 Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid contact with flammable or 7.1 Work & Hygiene Practices: combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk covered. Wash unintentional residues with soap and warm water. Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive 7.2 Storage & Handling: heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. 7.3 Special Precautions: Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.

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# **SAFETY DATA SHEET**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

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		8. EXPOSURE CO	NTD	01.6	9 DED	SONA	I DDO	TECT			
0.1	Evaceure Limite:	O. EXPUSURE CU	ACC		& PER	NOHSC	LPRU	IECI	OSHA		OTHER
8.1	Exposure Limits: ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	JIILK
	, , , ,	P-PHENYLENEDIAMINE	NA	NA	NF	0.1	NF	NA	NA	25	
		AMMONIUM HYDROXIDE	25	35	25	50	NF	25	NA	NA	25 NIOSH
8.2	Ventilation & Engineering Controls:	When working with large qu	antities	of pro	duct, prov	/ide adeq	uate ventil	ation (	e.g., loc	al exhau	
8.3	Respiratory Protection:	Ensure that an eyewash static  No special respiratory protect									
0.5	respiratory i forecasii.	necessary, use only respirat §1910.134, or applicable U. provinces, E.C. member state	ory prot S. state	tection e regula	authorized	per U.S.	OSHA's r	equiren	nent in	29 CFR	
8.4	Eye Protection:	Wear protective eyewear (e. product. Always use protect special hazard; soft lenses ma	ive eye	wear w	hen clean	ing spills					
8.5	Hand Protection:	If anticipated that prolonged latex or rubber gloves for r §1910.138, the appropriate st	outine i	industria	al use. It	necessa	ry, refer to	U.S.			
8.6	Body Protection:	However, no special body pro If necessary, refer to appropri									
		9. PHYSIC	<u>۸۱</u> ۸	CHF	ΜΙζΔΙ	PR∩I	PERTIE	S			
9.1	Appearance:	Colored Cream		<u></u>	<del> \L</del>						
9.2	Odor:	Perfumed, mild floral odor									
9.3	Odor Threshold:	NA									
9.4	pH:	9.5-11.0									
9.5	Melting Point/Freezing Point:	9.5-11.0 NA									
9.6	Initial Boiling Point/Boiling										
	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:	0.97-1.02 g/mL									
9.12	Solubility:	Soluble									
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	TABI	LITY	& REA	ACTIVI	ΤY				
10.1	Stability:	This product is stable.									
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO <sub>2</sub> ) a	and sulf	ur (SO <sub>2</sub>	).						
10.3	Hazardous Polymerization:	Will not occur.									
10.4	Conditions to Avoid:	Open flames, sparks and high					.1	d		L. I	
10.5	Incompatible Substances:	Store away from flammable materials, combustible mater any tint, lightener lotion or b return unused material to orig	ials, me leach p	etal cont oowder	amination after it ha	like iron, s been m	copper thei ixed with c	r alloys develop	). Avoider; the	d contam	ination. Do not store
		11. TOXI	COL	OGIC	CAL IN	FORM	ATION				
11.1	Routes of Entry:	Inhalation: YES					YES			Ingestic	on: YES
11.2	Toxicity Data:	This product has not been ten									
11.3	Acute Toxicity:	See section 4.4	io iii tilt	o ooicill	o iitoi atu	, Dut alt	, not noted t	on uno v	ourory L	ala Onel	<i>~</i> .
11.4	Chronic Toxicity:	See section 4.5									
11.5	Suspected Carcinogen:	This product contains p-Phe Group 3 carcinogens by IARC									

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 2.0 SDS Revision Date: 1/30/2018 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. 11.7 Irritancy of Product: See Section 4.3. 11.8 Biological Exposure Indices: NF Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION **Environmental Stability** There is no specific data available for this product. 12.1 12.2 Effects on Plants & Animals There is no specific data available for this product. 12.3 Effects on Aquatic Life There is no specific data available for this product. 13. DISPOSAL CONSIDERATIONS Dispose of in accordance with federal, state and local regulations. 13.1 Waste Disposal: 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. 49 CFR (GND): 14.1 NOT REGULATED 14.2 IATA (AIR): NOT REGULATED IMDG (OCN): 14.3 NOT REGULATED 14.4 TDGR (Canadian GND): NOT REGULATED 14.5 ADR/RID (EU): NOT REGULATED SCT (MEXICO): 14.6 **NOT REGULATED** ADGR (AUS): 14.7 NOT REGULATED 15. REGULATORY INFORMATION SARA Reporting 15.1 This product contains p-Phenylenediamine a substance subject to SARA Title III, section 313 reporting requirements. Requirements 15.2 SARA Threshold Planning There are no specific Threshold Planning Quantities for the components of this product. Quantity: TSCA Inventory Status: 15.3 The components of this product are listed on the TSCA Inventory. 15.4 CERCLA Reportable Quantity 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 Administrations 21 CFR subchapter G (Cosmetics). This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA. 15.6 Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the MSDS 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) State Regulatory Information: Resorcinol is listed on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposures List (WA). p-Phenylenediamine is found on the following state criteria list: FL, MA, MN, NJ, PA and WA. p-Phenylenediamine is found on the following state criteria list: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposures List (WA). Ammonium Hydroxide (as ammonia) can be found on the following state criteria list: IL, MA, NJ, PA and RI. 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). California Proposition 65: WARNING! This product may contain chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

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# **SAFETY DATA SHEET**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 2.0

SDS Revision Date: 1/30/2018

Prepa	ared to OSHA, ACC, ANS	II, NOHSC, WHMIS, 2001/58 & 12/2/2008/EC Standards   SDS Revision: 2.0   SDS Revision Date: 1/30/2018
		4F DECLUATORY INCORMATION CONTROL
	1	15. REGULATORY INFORMATION – cont'd
15.8	Other Requirements:	The primary components of this product are listed in Annex I of EU Directive 67/548/EEC:  Ammonium Hydroxide: Irritant (Xi). Risk Phrases (R): 22-36/37/38. Harmful if swallowed. Irritating to eyes, respiratory system and skin. Safety Phrases (S): 1/2-26-36/37/39-45-61. Keep locked up and out of reach of children. 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). Avoid release to the environment. Refer to special instructions/safety data sheet.  p-Phenylenediamine: Harmful (Xn). Risk Phrases (R): 43. May cause sensitization by skin contact. Safety Phrases (S):1/2-28-36/37. Keep locked up and out of reach of children. After contact with skin, was immediately with plenty of water. Wear suitable protective clothing and gloves.
		16. OTHER INFORMATION
16.1	Other Information:	WARNING! CAUSES MILD SKIN IRRITATION. CAUSES EYE IRRITATION. HARMFUL IF SWALLOWED. For 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 OSHAs Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of Hair Systems knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are 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	Issued by:	

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

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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	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	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.

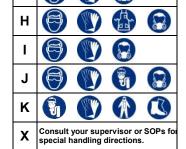
#### HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



#### PERSONAL PROTECTION RATINGS:

Α			
В			
С			
D	<b>B</b>	盘	
E			
F			











**Protective Clothing** & Full Suit

**Dust Respirator** 

**Full Face Respirator** 



Mask Respirator



Airline Hood/Mask or SCBA

## OTHER STANDARD ABBREVIATIONS:

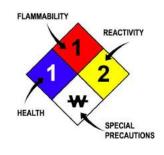
ML	Maximum Limit	
mg/m3	milligrams per cubic meter	
NA	Not Available	
ND	Not Determined	
NE	Not Established	
NF	Not Found	
NR	No Results	
ppm	parts per million	
SCBA	Self-Contained Breathing Apparatus	

### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:				
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition			
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source			
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source			

#### **HAZARD RATINGS:**

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
ОХ	Oxidizer
TREFOIL	Radioactive
TOVICOLO	OLO AL INFORMATION



#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC <sub>50</sub>	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 TC, TC <sub>o</sub> , LC <sub>Io</sub> , & LC <sub>o</sub>	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL <sub>m</sub>	Median threshold limit
log Kow or log Koc	Coefficient of Oil/Water Distribution

#### REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
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:

WORKE EASE TIALANDOOD MATERIALD IDENTIFICATION (WITHING) OT OTEM.								
0	<b>(A)</b>	<b>(2)</b>	<b>@</b>	<b>(T)</b>	<b>®</b>		(Ř	
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:

		M	*		<b>.</b>	×	×
С	E	F	N	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

		<b>(10)</b>	$\Diamond$			$\Leftrightarrow$		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment