

PAUL MITCHELL		SAFETY DATA SHEET										Page 1 of 6 2K-050 EN																																		
Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, EU Standards					SDS Revision: 2.0					SDS Revision Date: 9/25/2020																																				
1. PRODUCT & COMPANY IDENTIFICATION																																														
1.1	Product Name:	PAUL MITCHELL® 10 VOL. CREAM DEVELOPER 3%																																												
1.2	Chemical Name:	NA																																												
1.3	Synonyms:	JPMS® 10 Vol. Cream Developer 3%																																												
1.4	Trade Names:	John Paul Mitchell Systems® 10 Vol. Cream Developer 3%																																												
1.5	Product Uses & Restrictions:	Professional Use Only																																												
1.6	Distributor's Name:	TU-K Industries, Inc.																																												
1.7	Distributor's Address:	5702 Firestone Place, South Gate, CA 90280																																												
1.8	Emergency Phone:	CHEMTEL: +1 (800) 255-3924 / +1 (813) 248-0585																																												
1.9	Business Phone / Fax:	+1 (562) 927-3365 / +1 (562) 928-8154																																												
2. HAZARDS IDENTIFICATION																																														
2.1	Hazard Identification:	Prepared in accordance with UN Globally Harmonized standards. Intended to comply with OSHA 29 CFR 1910.1200, Canadian WHMIS and Australian Work Health and Safety standards. This product is classified as a hazardous substance BUT NOT as dangerous goods according to the classification criteria of WHSR and ADG Code (Australia). WARNING! CAUSES SERIOUS EYE IRRITATION. Classification: Eye Irrit. 2A																																												
2.2	Label Elements:	<u>Hazard Statements</u> (H): H319 – Causes serious eye irritation. <u>Precautionary Statements</u> (P): P264 – Wash thoroughly after handling. 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. P332+P313 – If skin irritation occurs: Get medical advice/attention. P337+P313 – If eye irritation persists: Get medical advice/attention. P405 – Store locked up. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).																																												
2.3	Other Warnings:	KEEP OUT OF REACH OF CHILDREN. 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, immediately seek 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) <table border="1"> <tr> <th colspan="2">ACGIH</th> <th colspan="3">NOHSC</th> <th colspan="3">OSHA</th> <th colspan="3"></th> </tr> <tr> <th colspan="2">ppm</th> <th colspan="3">ppm</th> <th colspan="3">ppm</th> <th colspan="3"></th> </tr> <tr> <th>TLV</th> <th>STEL</th> <th>ES-TWA</th> <th>ES-STEL</th> <th>ES-PEAK</th> <th>PEL</th> <th>STEL</th> <th>IDLH</th> <th colspan="3">OTHER</th> </tr> </table>												ACGIH		NOHSC			OSHA						ppm		ppm			ppm						TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	OTHER		
ACGIH		NOHSC			OSHA																																									
ppm		ppm			ppm																																									
TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	OTHER																																						
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	60-100	NA	NA	NF	NF	NF	NA	NA	NA																																		
HYDROGEN PEROXIDE	7722-84-1	MX0900000	231-765-0	1-5	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75																																		
Acute Tox. (oral) 4; Eye Irrit. 2A; H302, H319																																														
DECYL OLEATE	3687-46-5	NA	222-981-6	1-5	NA	NA	NF	NF	NF	NA	NA	NA																																		
CETYL ALCOHOL	36653-82-4	MM0225000	253-149-0	1-5	NA	NA	NF	NF	NF	NA	NA	NA																																		
PROPRIETARY BLEND	NA	NA	NA	1-5	NA	NA	NF	NF	NF	NA	NA	NA																																		
TETRASODIUM PYRO-PHOSPHATE	7722-88-5	UX7350000	231-767-1	< 1.0	5	NA	5	NF	NF	5	NA	NA																																		
Eye Irrit. 2; H319																																														
PHOSPHORIC ACID	7664-38-2	TB6300000	231-633-2	< 1.0	(1)	(3)	NF	NF	NF	NA	NA	1000																																		
Skin Corr. 1B; H314																																														
4. FIRST AID MEASURES																																														
4.1	First Aid:	<u>Ingestion:</u> If ingested, DO NOT INDUCE VOMITING. Seek immediate medical attention. Contact the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.. <u>Eyes:</u> If product gets in the eyes, remove contact lenses (if used), flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If irritation persists, seek medical attention. <u>Skin:</u> Discontinue use of the product and wash with soap and water. If discomfort persists, seek medical attention. <u>Inhalation:</u> Remove victim to fresh air at once. If not breathing, give artificial respiration and contact a physician or local emergency services immediately.																																												

4. FIRST AID MEASURES - continued

4.2	Effects of Exposure:	<u>Ingestion:</u> If product is swallowed, may cause nausea, vomiting and/or diarrhea. <u>Eyes:</u> Moderately irritating to the eyes - may cause redness, itching, irritation and watering. <u>Skin:</u> May be irritating to skin. This product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. <u>Inhalation:</u> None expected.					
4.3	Symptoms of Overexposure:	Overexposure in eyes may cause severe damage, 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 and 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, Respiratory System					
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).	HEALTH			1	
			FLAMMABILITY			0	
			PHYSICAL HAZARDS			1	
			PROTECTIVE EQUIPMENT			B	
			EYES	SKIN			

5. FIREFIGHTING MEASURES

5.1	Fire & Explosion Hazards:	This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO ₂ , NO _x).				
5.2	Extinguishing Methods:					
5.3	Firefighting Procedures:					

Water Spray, Foam, CO₂, Dry Chemical, Halon (if permitted)

As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) 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 personnel. 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: oil, paper towels, clothing) 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. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.: For large 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. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.:
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7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Wash 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). Keep away from excessive heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. Do not store any tint, lightener lotion or bleach powder after it has been mixed with developer, the container may rupture. Never return unused material to the original container. Empty containers should be rinsed with water before discarding. Reseal container tightly to keep out moisture and other contaminants.
7.3	Special Precautions:	Spilled material may present a fire and slipping hazard if left unattended. Clean all spills promptly.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Exposure Limits: ppm (mg/m ³)	CHEMICAL NAME(S)	ACGIH		NOHSC			OSHA			OTHER
			TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		HYDROGEN PEROXIDE	(1.4)	NA	(1.4)	NF	NF	(1.4)	NA	75	
		TETRASODIUM PYROPHOSPHATE	5	NA	5	NF	NF	5	NA	NA	
		PHOSPHORIC ACID	(1)	(3)	NF	NF	NF	NA	NA	1000	
8.2	Ventilation & Engineering Controls:	When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.									
8.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.									
8.4	Eye Protection:	AVOID EYE CONTACT. Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling large quantities (e.g., ≥ 1 gallon (3.8 L)) of this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard as soft lenses may absorb and concentrate irritants.									
8.5	Hand Protection:	AVOID SKIN CONTACT. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. During use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.									
8.6	Body Protection:	Apron recommended when handling large quantities (e.g., ≥ 1 gallon). Eye wash stations and deluge showers should be available.									



9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	White cream, free flowing lotion
9.2	Odor:	Characteristic
9.3	Odor Threshold:	NA
9.4	pH:	3.5-4.5
9.5	Melting Point/Freezing Point:	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:	1.000-1.010 gm/ml
9.12	Solubility:	Partial to complete
9.13	Partition Coefficient (log Pow):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	3,300-4,400 cPs
9.17	Other Information:	NA

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition Products:	Oxide of carbon (CO, CO ₂), nitrogen (NO _x), and sulfur (SO ₂). Oxygen
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat, direct sunlight.
10.5	Incompatible Substances:	Store away from flammable liquids, flammable solids, aerosols and other incompatible materials (e.g., reducing materials, combustible materials, metal contamination like iron, copper their alloys). Avoid contamination.

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, EU Standards			SDS Revision: 2.0		SDS Revision Date: 9/25/2020
11. TOXICOLOGICAL INFORMATION					
11.1	Routes of Entry:	Inhalation:	YES	Absorption:	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, but is not presented in this document.			
11.3	Acute Toxicity:	See Section 4.4			
11.4	Chronic Toxicity:	See Section 4.5			
11.5	Suspected Carcinogen:	Hydrogen Peroxide: ACGIH A3 (confirmed animal carcinogen with unknown relevance to humans). Not Listed: NTP, IARC, CA and OSHA.			
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive effects 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:	NE			
11.9	Physician Recommendations:	Treat symptomatically.			
12. ECOLOGICAL INFORMATION					
12.1	Environmental Stability:	There is no specific data available for this product.			
12.2	Effects on Plants & Animals:	There is no specific data available for this product.			
12.3	Effects on Aquatic Life:	The product itself has not been tested as a whole. There are no specific data available for this product.			
13. DISPOSAL CONSIDERATIONS					
13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.			
13.2	Special Considerations:	NA			
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			
14.2	IATA (AIR):	NOT REGULATED			
14.3	IMDG (OCN):	NOT REGULATED			
14.4	TDGR (CANADA):	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>Phosphoric Acid</u> , a substance subject to SARA Title III, section 313 reporting requirements.			
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities for the components of this product.			
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.			
15.4	CERCLA Reportable Quantity (RQ):	Hydrogen Peroxide: 454 kg (1000 lbs); Phosphoric Acid: 2270 kg (5000 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). 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 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)			
15.7	State Regulatory Information:	Hydrogen Peroxide can be found on the following state right to know lists: CA, FL, MA, MN, NJ, PA. Phosphoric Acid can be found on the following state right to know lists: CA, MA, MN, NJ, 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:	This product is found on the following inventory lists: Australia - AICS; China - IECSC; Europe - ELINCS/EINEC; Japan - ENCS; Korea - KECL; New Zealand - NZIoC; {Philippines - PICCS; USA - TSCA			

16. OTHER INFORMATION

16.1	Other Information:	WARNING! CAUSES SERIOUS EYE IRRITATION. Wash thoroughly after handling. Wear protective gloves and eye/face protection. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Store locked up. Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF). KEEP OUT OF REACH OF CHILDREN. 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, immediately seek medical attention. This product must not be used for dyeing the eyelashes 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 & TU-K Industries, Inc.'s (2K Industries) 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:	TU-K Industries, Inc. (2K) 5702 Firestone Place South Gate, CA 90280 USA Tel: +1 (562) 927-3365 Fax: +1 (562) 928-8154 http://www.2kindustries.com	
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	

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, EU Standards

SDS Revision: 2.0

SDS Revision Date: 9/25/2020

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
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
IDLH	Immediately Dangerous to Life and Health
NOHSC	National Occupational Health and Safety Commission (Australia)
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.
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HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

A	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Protective Eyewear	Gloves
Boots	Protective Apron	Protective Clothing & Full Suit	Dust Respirator
Full Face Respirator	Dust & Vapor Half-Mask Respirator	Full Face Respirator	Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

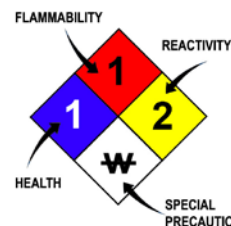
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

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
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₁₀	Lowest dose to cause a symptom
TCLO	Lowest concentration to cause a symptom
TD₁₀, LD₁₀, & LD₀ or TC, TC₀, LC₁₀, & LC₀	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_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	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
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)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

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

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

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