Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards	MSDS Revision: 1.1	MSDS Revision Date: 06/01/2007

1. PRODUCT IDENTIFICATION

1.1	Product Name: **OPI SPA COMPLETE DISINFECTANT**
1.2	Chemical Name: **MIXTURE**
1.3	Synonyms: **NA**
1.4	Trade Names: **SD-189; EPA Registration # 6836-77-70397**
1.5	Product Use: **PROFESSIONAL USE ONLY**
1.6	Manufacturer's Name: **OPI PRODUCTS, INC.**
1.7	Manufacturer's Address: **13034 SATICOY STREET, NO. HOLLYWOOD, CA 91605 USA**
1.8	Emergency Phone: **CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300**
1.9	Business Phone: **+1 (818) 759-2400 / +1 (800)-341-9999**

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: **DANGER! Corrosive Material. May be harmful if absorbed through the skin, inhaled or swallowed. Dust or vapors can irritate respiratory tract.**						
2.2	Routes of Entry:	Inhalation:	**YES**	Absorption:	**YES**	Ingestion:	**YES**
2.3	Effects of Exposure: **INGESTION:** **If product is swallowed, may cause nausea, immediate burning in mouth, throat and abdomen and severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breathe, circulatory shock and convulsions.** **SKIN & EYES:** **It is anticipated that this material will be corrosive to the skin and eyes upon direct or prolonged contact. Irritating to the eyes direct contact can produce severe eye damage. Irritating to skin in (especially in some sensitive individuals), direct or prolonged contact can produce severe irritation to the skin especially after prolonged and/or repeated contact.** **INHALATION:** **Inhalation of solvent vapors and mist of products can produce irritation of mucous membranes; however, inhalation of vapors in excess of the levels listed in Section 2 (Composition and Ingredient Information) can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea).**						
2.4	Symptoms of Overexposure: **Overexposure may aggravate existing conditions. Exposure to Ethyl Alcohol concentrations over 1,000 ppm can cause headache, irritation of the eyes, nose and throat, and, if long continued, drowsiness ad lassitude, loss of appetite and inability to concentrate.**						
2.5	Acute Health Effects: **Olfactory fatigue may occur. Contact with the eyes may cause permanent damage. Harmful by inhalation, ingestion and through skin contact. Corrosive - causes burns. May cause CNS depression.**						
2.6	Chronic Health Effects: **None known.**						
2.7	Target Organs: **Eyes, skin.**						

NA = Not Available; ND = Not Determined; NE = Not Established; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used
NOTE: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004 format.

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m³)					
					ACGIH - ppm		OSHA - ppm			OTHER
					TLV	STEL	PEL	STEL	IDLH	
WATER	7732-18-5	ZC0110000	231-791-2	≤ 80.0	NA	NA	NA	NA	NA	
DICAPRYL/ DICAPRYL DIMONIUM CHLORIDE	68424-95-3	UZ2995000	270-331-5	≤ 7.0	NA	NA	NA	NA	NA	
LINEAR PRIMARY AND/OR SECONDARY ALCOHOL ETHOXYLATES AND OR/ NONYLPHENOL (BRANCHED) ETHOXYLATE				≤ 4.5	NA	NA	NA	NA	NA	
LINEAR ALKYL ALCOHOL (C12-15) ETHOXYLATES	68131-39-5	AZ08822221	ND	NA	NA	NA	NA	NA	NA	
SECONDARY ALCOHOL ETHOXYLATES (C11-15)	84133-50-6	NA	ND	NA	NA	NA	NA	NA	NA	
NONYLPHENOL (BRANCHED) ETHOXYLATES	9016-45-9	MD0900000	NA	NA	NA	NA	NA	NA	NA	
BENZALKONIUM CHLORIDE	68424-85-1	UZ2995000	270-325-2	≤ 5.0	NA	NA	NA	NA	NA	
TETRASODIUM EDTA	64-02-8	AH5075000	200-573-9	≤ 3.0	NA	NA	NA	NA	NA	
ETHANOL	64-17-5	KQ6300000	200-578-6	≤ 3.0	1000	1900	1000	1900	3300	
SODIUM METASILICATE	6834-92-0	VV9275000	229-912-9	≤ 1.0	NA	NA	NA	NA	NA	
ACETALDEHYDE	75-07-0	AB1925000	200-836-8	NA	25	200	225	360	2000	
BENZENE	71-42-3	CY1400000	200-753-7	NA	1	2.5	10	2.5	500	
BENZYL CHLORIDE	100-44-7	XS8925000	202-853-6	NA	1	NA	1	NA	10	
1,4-DIOXANE	123-91-1	JG8225000	204-661-8	NA	1	30	1	30	500	
ETHYLENE OXIDE	75-21-8	KX2450000	ND	NA	1	5	1	5	800	
N-NITROSODIMETHYLAMINE	62-75-9	IQ0525000	200-549-8	NA	NE	NE	NE	NE	NA	
PROPYLENE OXIDE	75-56-9	TZ2975000	200-879-2	NA	20	100	20	100	400	
TOLUENE	108-88-3	XS5250000	203-625-9	NA	50	150	200	NE	500	300 CLG

4. FIRST AID MEASURES

4.1 First Aid:

INGESTION: DO NOT INDUCE VOMITING! If ingested, immediately give 3-4 glasses of milk (if unavailable, give water). If vomiting occurs, give fluids again. Consult physician immediately or contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time and amount of the substance that was swallowed. Do not give anything by mouth to a convulsing or unconscious person.

EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

SKIN: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water for at least 15 minutes. Get immediate medical attention. If irritation persists, contact a physician immediately.

INHALATION: Remove victim to fresh air. If not breathing clear victims airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Seek immediate medical attention.

4.2 Medical Conditions Aggravated by Exposure:

May aggravate existing conditions.

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PROTECTIVE EQUIPMENT	B

EYES	SKIN		

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: **N/D**				
5.2	Autoignition Temperature: **NA**				
5.3	Flammability Limits:	Lower Explosive Limit (LEL):	**ND**	Upper Explosive Limit (UEL):	**ND**
5.4	Fire & Explosion Hazards: **Products of combustion may are toxic.**				
5.5	Extinguishing Methods: **CO_2, Halon, Dry Chemical, Foam and Water.**				
5.6	Firefighting Procedures: **First responders should wear eye protection. Structural firefighters must wear SCBAs and full protective equipment. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters should wear full-face, self-contained breathing apparatus (MSHA/NIOSH approved or the equivalent) and impervious clothing.**				

6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: **DANGER! Corrosive material. Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.** **For small spills (e.g., <1 gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). 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. 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: **Avoid prolonged contact with the product. After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.**
7.2	Storage & Handling: **Keep this material away from heat, sparks and open flame. Store at temperatures below 140°F. Keep containers closed until used. Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care. Keep product from entering sewers, drains, drinking water supply, or any natural waterway. Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Store away from incompatible materials (see Section 10, Stability and Reactivity). Material should be stored in secondary containers as appropriate.**
7.3	Special Precautions: **Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.**

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls: **When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). In process where TLV may be exceeded, or mist and or vapors may be generated proper ventilation must be provided. Ensure that an eyewash station, sink, washbasin and safety shower are available in case of exposure to eyes and/or skin.**
8.2	Respiratory Protection: **No special respiratory protection is required under typical circumstances of use or handling. Where mist or vapors are generated by the process or if recommended TWA/TLV for ethyl alcohol is exceeded, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.**
8.3	Eye Protection: **Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166.**

8. EXPOSURE CONTROLS & PERSONAL PROTECTION- continued

8.4	Hand Protection: **Rubber or neoprene, when needed especially if it is anticipated that prolonged & repeated skin contact will occur during use of this product for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada or the E.C. member states.**
8.5	Body Protection: **No special body protection is required under typical circumstances of use and handling. Wear appropriate protective clothing, long sleeves, coveralls or other as needed. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.**

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	**1.01 @ 25°C**
9.2	Boiling Point:	**Not known**
9.3	Melting Point:	**Not known**
9.4	Evaporation Rate:	**Not known**
9.5	Vapor Pressure:	**Not known**
9.6	Molecular Weight:	**NA**
9.7	Appearance & Color:	**Clear liquid (varies if dye added)**
9.8	Odor Threshold:	**Varies if fragrance added.**
9.9	Solubility:	**Soluble**
9.10	pH	**12.9**
9.11	Viscosity:	**< 100cPs @ 25°C**
9.12	Other Information:	**ND**

10. STABILITY & REACTIVITY

10.1	Stability: **Stable**
10.2	Hazardous Decomposition Products: **Thermal decomposition may produce toxic vapors/fumes or amines and other organic materials and oxides of carbon and nitrogen.**
10.3	Hazardous Polymerization: **Will not occur.**
10.4	Conditions to Avoid: **None known.**
10.5	Incompatible Substances: **NA**

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: **No information found for this material. Based on the available animal toxicity information for a similar product, it is anticipated that this material will cause severe skin or eye irritation and/or burns and possible irreversible damage upon direct or prolonged contact. Information on a similar product: oral LD50 (rat): 2800 mg/kg, dermal LD50 (rabbit): 2850 mg/kg, eye irritation (rabbit): extreme irritant (primary irritation index = 97.5 without washing; 93.3 with washing), skin irritation (rabbit): severe irritant (primary irritation index = 8.0), DOT skin corrosivity (rabbit): non-corrosive - skin irritation at 1:64 use dilution: non irritant (primary irritation index = 0.0)**
11.2	Acute Toxicity: **NA**
11.3	Chronic Toxicity: **NA**
11.4	Suspected Carcinogen: **This product contains Benzene which is a known carcinogen. See also section 15.7.**

11. TOXICOLOGICAL INFORMATION-continued

11.5	Reproductive Toxicity: **This product is not reported to cause 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 contains toluene which is known to the State of California to cause reproductive effects in humans.**
11.6	Irritancy of Product: **See Section 2.3**
11.7	Biological Exposure Indices: **NE**
11.8	Physician Recommendations: **Probable mucosal damage may contraindicate the use of gastric lavage. Supplemental oxygen and other measure to support breathing may be needed to combat circulatory shock. Persistent convulsions may be controlled by the cautious intravenous injection of a short acting barbiturate drug.**

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: **There are 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; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.**

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal: **Waste disposal must be in accordance with appropriate 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): **UN1903, DISINFECTANTS, LIQUID, CORROSIVE N.O.S (QUATERNARY AMMONIUM CHLORIDE, SODIUM METASILICATE), 8, II**
14.2	IATA (AIR): **UN1903, DISINFECTANTS, LIQUID, CORROSIVE N.O.S (QUATERNARY AMMONIUM CHLORIDE, SODIUM METASILICATE), 8, II**
14.3	IMDG (OCN): **UN1903, DISINFECTANTS, LIQUID, CORROSIVE N.O.S (QUATERNARY AMMONIUM CHLORIDE, SODIUM METASILICATE), 8, II**
14.4	TDGR (Canadian GND): **UN1903, DISINFECTANTS, LIQUID, CORROSIVE N.O.S (QUATERNARY AMMONIUM CHLORIDE, SODIUM METASILICATE), 8, II**
14.5	ADR/RID (EU): **UN1903, DISINFECTANTS, LIQUID, CORROSIVE N.O.S (QUATERNARY AMMONIUM CHLORIDE, SODIUM METASILICATE), 8, II, *ADR***
14.6	MEXICO (SCT): **UN1903, DESINFECTANTES, CORROSIVOS, LIQUIDOS N.E.P. (AMMONIO CLORO Y METASILICATO DE SODIO), 8, II**

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements: **This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372.**
15.2	SARA Threshold Planning Quantity: **Benzyl Chloride (CAS 100-44-7) 500 lbs; Benzene (CAS 71-43-2) 10lbs.; Acetaldeyde (CAS 75-07-0) 1000 lbs.; Toluene (CAS 108-88-3) 1000 lbs.; Ethylene Oxide (CAS 75-21-8) 1000 lbs.; Propylene Oxide (CAS 75-56-9) 10000 lbs.**
15.3	TSCA Inventory Status: **The components of this product are listed on the TSCA Inventory as appropriate.**
15.4	CERCLA Reportable Quantity (RQ): **Benzyl Chloride (CAS 100-44-7) 100 lbs.; Toluene: 1000 lbs.; Ethylene Oxide (CAS 75-21-8) 100 lbs.; Benzene (CAS 71-43-2) 10 lbs. 1,4-Dioxane (CAS 123-91-1) 100 lbs.; Propylene Oxide (CAS 75-56-9) 100 lbs.**
15.5	Other Federal Requirements: **This is an EPA registered pesticide (EPA Registration Number 6836-77) This material can only be used commercially in the EPA registered application(s) noted on the product label.**
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.** 
15.7	State Regulatory Information: **Right to Know - Components present in this material listed on the Right To Know (RTK) list of the following these states;** **California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.** **California Proposition 65 – Components present in this material known to the State of California to cause cancer, birth defects or other reproductive harm include: Acetaldehyde, Benzene, Benzyl Chloride, 1,4-Dioxane, Ethylene Oxide, N-Nitrosodimethylamine, Propylene Oxide, and Toluene.**
15.8	Australian inventory Status (ACIS): **Primary components are listed on the Australian inventory of chemical substances.**
15.9	67/548/EEC (European Union) Requirements: **The primary component of this product is not listed in Annex I of EU Directive 67/548/EEC.** **Corrosive (C); Toxic (T); Irritant(Xi); Flammable (F)** **R: 11-23-36/38-43-45 – Flammable. Toxic by inhalation. Irritating to the eyes and skin. May cause sensitization by skin contact. Discontinue use if sensitization occurs. May cause cancer.** **S: 2-20-26-36/37/38 - Keep out of reach of children. When using do not eat or drink. If accidental eye contact occurs, flush with water for at least 15 minutes and get prompt medical attention. Wear suitable protective clothing gloves and eye/face protection.** **Toluene: Flammable, Harmful (F, Xn). R: 11-20-36/37 – Highly flammable. Harmful by inhalation. Irritating to eyes and respiratory system. S: 2-7-16-24/25/26 – Keep out of the reach of children. Keep container tightly closed. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.** 

16. OTHER INFORMATION

16.1 Other Information:

Keep out of reach of children. Do not take internally. Keep tightly closed until ready to use.

16.2 Terms & Definitions:

See last page of this MSDS.

16.3 Disclaimer:

This Material 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 & OPI Products' 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 Prepared for:

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DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. 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
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

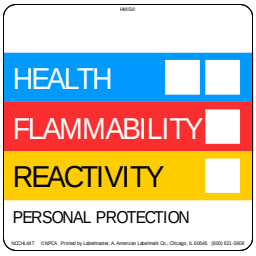
FIRST AID MEASURES:

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.

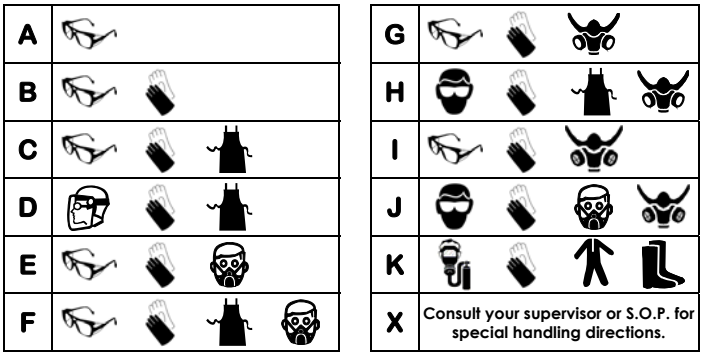
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

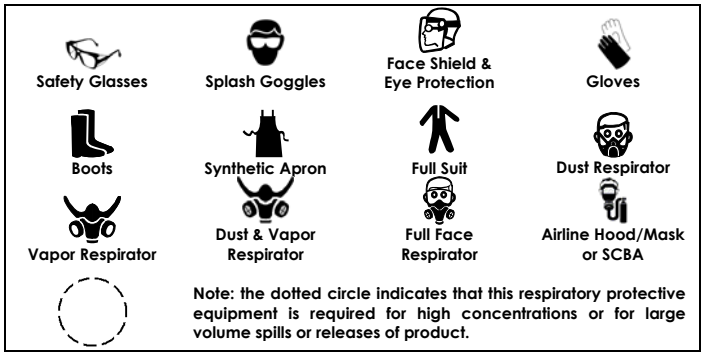
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:





OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

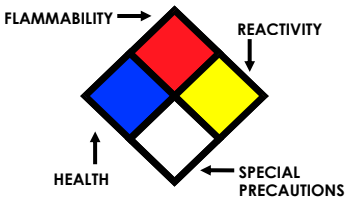
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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
OX	Oxidizer



TOXICOLOGICAL INFORMATION:

LD_{50}	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC_{50}	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD_{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD_{lo}, LD_{lo}, & LD_o or TC, TC_o, LC_{lo}, & LC_o	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)

EC INFORMATION:

C	E	F	N	O	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful