

Page 1 of 7 **SW-1165**

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

SDS Revision: 1.2

SDS Revision Date: 6/15/2015

1.1	Product Name:	BAMBOO STYLE CLEANSE EXTEND MANGO COCONUT DRY SHAMPOO,
		24.10% VOC
1.2	Chemical Name:	Aerosol
1.3	Synonyms:	SW-1165
1.4	Trade Names:	Bamboo Style Cleanse Extend Mango Coconut Dry Shampoo, 24.10% VOC
1.5	Product Uses & Restrictions:	Aerosol Shampoo
1.6	Distributor's Name:	Shield Packaging of CA, Inc.
1.7	Distributor's Address:	5165 "G" Street, Chino CA 91710 USA
1.8	Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 20108)
1.9	Business Phone / Fax:	+1 (909) 628-4707 / +1 (909) 591-8916

2. HAZARDS IDENTIFICATION

2.1 Hazard Identification:

This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia).

WARNING! FLAMMABLE AEROSOL. CAUSES EYE IRRITATION.

Classification: Aerosol 2; Eye Irrit. 2

Hazard Statements (H): H223 - Flammable aerosol. H320 - Causes eye irritation.

Precautionary Statements (P): P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 – Do not spray on open flame or other ignition source. P251 – Do not pierce or burn, even after use. P264 – Wash hands and exposed skin areas with soap and warm thoroughly after handling. P332+P313 – If skin irritation occurs: Get medical advice/attention. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuer insing. P337+P313 – If eye irritation persists get medical advice/attention. P370+P378 – In case of fire: Use Water, Foam, CO₂, Dry Chemical, Halon (if permitted), to extinguish. P403+P235 – Store in a well-ventilated place. Keep cool. P410+P412 – Protect from sunlight. Do not expose to temperatures exceeding 50 °C (122 °F). 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 ppm ppm ppm ES-CHEMICAL NAME(S) RTECS No. TLV STEL PEAK STEL IDLH OTHER CAS No. EINECS No. TWA STEL PEL KI4100000 200-866-1 60-100 1000 NA 75-37-6 NA 1000 NF NF NA NA DIFLUOROETHANE (R-152a) Flam. Gas 1; H220 64-17-5 KQ6300000 200-578-6 10-30 1000 3000 1000 1800 NF 1000 1900 3300 ETHANOL (SD ALCOHOL 40B) Flam.Liq.2; H225 9087-61-0 NA 1-5 ΑN NA NF NF NF NA NA NA ΙNΑ ALUMINUM STARCH OCTENYLSUCCINATE VV7310000 7631-86-9 NA 0.1-1 NA NA NF NF NF NA NA NA SILICA Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335 NA NA NF NF NF NA NA NA 110-27-0 NA 203-751-4 0.1-1 ISOPROPYL MYRISTATE 94891-33-5 NA 275-126-4 0.1-1 NA NA NF NF NF NA NA NA STEARALKONIUM HECTORITE 0.1-1 NΑ NA NA NA NA NF NF NF NA NA NA **EXTRACTS** 108-32-7 FF9650000 203-572-1 0.0-0.1 NA NA NF NF NF NA NA NA PROPYLENE CARBONATE Eye Irrit. 2; H319 NA 0.0-0.1 NA NA NF NF NF NA NA NA NA NA FRAGRANCE (PARFUM) NA NA NF NF NF NA NA NA 118-58-1 NA 204-262-9 0.0-0.1 **ALLERGEN** BENZYL SALICYLATE 91-64-5 NA 202-086-7 0.0-0.1 NA NA NF NF NF NA NA NA ALLERGEN COUMARIN Acute Tox. Oral 3; Aquatic Acute 3; H301, H402 HYDROXYISOHEXYL 3-31906-04-4 NA 250-863-4 0.0-0.1 NA NA NF NF NF NA NA NA ALLERGEN CYCLOHEXENE Skins Sens. 1, Eye Irrit. 2, Aquatic Chronic 3; H317, H319, H412 CARBOXALDEHYDE 106-22-9 RH340000 203-375-0 0.0-0.1 NA NA NF NF NF NA NA NA ALLERGEN CITRONELLOL Skin Irrit. 2, Skin Sens. 1B, Eye Irrit. 2; H315, H317, H319



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.2 SDS Revision Date: 6/15/2015 3. COMPOSITION & INGREDIENT INFORMATION - cont'd EXPOSURE LIMITS IN AIR (mg/m3) NOHSC **OSHA** ppm ppm ppm ES-ES-ES-TLV STEL STEL PEAK PEL STEL CHEMICAL NAME(S) CAS No. RTECS No. **EINECS No** TWA OTHER NA 0.0-0.1 NF ALLERGEN GW6360000 227-813-5 NA NA NF NF NA NA 5989-27-5 LIMONENE Flam. Liq. 3; Skin Irrit. 2; Skin Sens. 1; Aquatic Acute 1; Aquatic Chronic 1; H226 H315 H317, H400, H410 RG5075000 226-394-6 NF NF NF ALLERGEN 5392-40-5 0.0-0.1 NA NA NA NA NA CITRAL Skin Irrit. 2, Skin Sens. 1; H315, H317 NF NA NA 541-02-6 GY59452000 208-764-9 0.0-0.1 NA NF NF NA NA CYCLOPENTASILOXANE Flam. Liq. 4; Skin Irrit. 3; Eye Irrit. 2B; H227, H316, H320 9054-89-1 NA 232-943-0 0.0-0.1 NA NA NF NF NF NA NA NA SUPEROXIDE DISMUTASE 207574-74-1 NA NA 0.0-0.1 NA NA NF NF NF NA NA NA POLYSILICONE-15 4. FIRST AID MEASURES First Aid: Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk 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 Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water Eyes: 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. Remove victim to fresh air at once. Inhalation: 42 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. 4.4 Acute Health Effects: Moderate irritation to eyes. 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 Medical Conditions 4.7 Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** Aggravated by Exposure: target organs (eyes, skin, and respiratory system). **FLAMMABILITY** 2 0 PHYSICAL HAZARDS PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES Fire & Explosion Hazards: FLAMMABLE AEROSOL. Level 3 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 °F. Cool uninvolved containers to prevent possible bursting. Aerosols may be projectile hazards when bursting. If aerosols are bursting, stay clear until bursting is complete. Containers may rupture and release flammable liquids or/or exposed gases if exposed to the heat of fire. Keep containers cool by spraying them with water until the fire has been extinguished. Keep away from heat, lit cigarettes, sparks & open flame. Keep container closed. When exposed to high temperatures, may produce hazardous decomposition products such as oxides of carbon (e.g., CO, CO₂) and nitrogen (e.g., NO_x) and smoke. 5.2 Extinguishing Methods: Water, Foam, CO₂, Dry Chemical, Halon (if permitted) 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.



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		6. ACCIDE	NTA	AI RE	IFAS	F MFA	SURFS	3			
6.1	Spills:	Before cleaning any spill or							ear an	oropriate	Personal Protective
		Equipment (PPE).	iouit,	marriae	iaio ilivoiv	ca iii opii	oloanap	mast w	real ap	propriati	o i croonar i rotcotive
		For small spills (e.g., < 1 g									
		Maximize ventilation (open of									
		absorbent material and place									
		local, state and federal regul soap. Remove any contamination							lamer w	ntn pien	lly of warm water and
				•		0 ,			als. Dik	e and	contain spill with iner
		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). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for									
		recovery or disposal and solid									
		promptly and wash affected sand open bodies of water.	skin are	eas with	soap and	i water. K	eep spilis	and clea	aning ru	notts of	at of municipal sewers
	l	and open bodies of water.									
	1	7. HANDLIN					MATIC)N			
7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke w									
7.2	Storage & Handling:	Use and store in a cool, dry, heat and open flames.	well-v	entilated	location	(e.g., local	exhaust v	entilatio	n, fans)	. Keep	away from excessive
7.3	Special Precautions:	Spilled material may present a	a slippi	ng haza	rd if left un	attended.	Clean all s	spills pro	mptly.		
		8. EXPOSURE CO	NTR	OLS	& PER	SONA	L PRO	TECT	ION		
8.1	Exposure Limits: ppm (mg/m³)			GIH		NOHSC			OSHA		OTHER
	ppin (mg/m)	CHEMICAL NAME(S) DIFLUOROETHANE (R-152a)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		ETHANOL (SD ALCOHOL 40B)	1000	NA 3000	1000 1000	NF 1800	NF NF	NA 1000	NA 1900	NA 3300	
		BENZYL SALICYLATE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
		COUMARIN	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
		HYDROXYISOHEXYL 3-			NE	NE	NE				ALLEDOEN
		CYCLOHEXENE CARBOXALDEHYDE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
		CITRONELLOL	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
		LIMONENE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
0.0	Vandilation 9 Familia anima	CITRAL	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.									
8.3	Respiratory Protection:	No special respiratory protect							•		
		necessary, use only respirat									
		§1910.134, or applicable U.			ations, or	the appr	opriate sta	andards	of Car	nada, its	3
8.4	Eye Protection:	provinces, E.C. member state				ll \\\/					
0.4	Lye Flotection.	Avoid eye contact. Protecting glasses with side-shield) at a									
		protective eyewear when cle									
		lenses may absorb and con	centrat	e irritan	ts Us	se equipme	ent for eye	e protec	tion tes		
		approved under appropriate g									
8.5	Hand Protection:	None required under norma sensitive individuals. If antici									
		this product, wear latex or re									
		OSHA 29 CFR §1910.138, the									
8.6	Body Protection:	No special body protection necessary, refer to appropriat	is req	uired ur	nder typic	al circums	tances of	use ar	nd hand	lling. I	f
		9. PHYSICA	NI Ω	CHE	MICAI	DDOE	EDTIE				
9.1	Appearance:	Aerosol, light milky liquid	<u>√∟ (X</u>	OIIL	IVIIOAL	- 1 1.01		.5			
9.2	Odor:`	Fragrant fresh odor									
9.3	Odor Threshold:	NA									
9.4	pH:	NA									
9.5	Melting Point/Freezing Point:	NA									
9.6	Initial Boiling Point/Boiling	NA									
9.7	Range: Flashpoint:	8.8 °C (48 °F)									
9.8	Upper/Lower Flammability	, ,	EQ.4.)								
	Limits:	LEL: 5.1% / UEL: 17.1% (R-1	52A)								
9.9	Vapor Pressure:	To the policy									
9.10	Vapor Density:	NA Spars									



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.2 SDS Revision Date: 6/15/2015 9. PHYSICAL & CHEMICAL PROPERTIES - cont'd 9.11 Relative Density: 0.850 + / - 0.0129 12 Solubility in Water: Soluble Partition Coefficient (log Pow): 9.13 NA 9.14 Autoignition Temperature: NA 9.15 Decomposition Temperature: NA 9.16 Viscosity: NA 9.17 Other Information: VOC: 24.10% 10. STABILITY & REACTIVITY 10.1 Stability: This product is stable. 10.2 Hazardous Decomposition Oxides of carbon (CO, CO₂) and sulfur (SO₂). Products 10.3 Hazardous Polymerization: Will not occur. 10.4 Conditions to Avoid: Open flames, sparks and high heat. 10.5 Incompatible Substances: None known. 11. TOXICOLOGICAL INFORMATION 11.1 Routes of Entry: Ingestion: YES Toxicity Data: 11.2 The product has not been tested for specific toxicity data. 11.3 Acute Toxicity See Section 4.4 11.4 Chronic Toxicity See Section 4.5 11.5 Suspected Carcinogen: No. 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. Irritancy of Product: 11.7 See Section 4.3. 118 Biological Exposure Indices: NE 11 9 Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability There are no specific data available for this product. Effects on Plants & Animals There are no specific data available for this product. Effects on Aquatic Life 12.3 There are no specific data available for this product. 13. DISPOSAL CONSIDERATIONS Waste Disposal: 13.1 Waste disposal must be in accordance with appropriate Federal, state, and local regulations 13.2 Special Considerations: U.S. EPA Waste Number: D001 (characteristic - ignitable) 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): CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1000 mL) - until 12/31/2020 UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1000 mL) 14 2 IATA (AIR): ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 500 mL) дħ, UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 500 mL) 14.3 IMDG (OCN): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1000 mL) 14.4 TDGR (Canadian GND) UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1000 mL) or MARK PACKAGE "LIMITED QUANTITY," "LTD QTY," or "QUANT LTÉE" or "QUANTITÉ LIMITÉE' 14.5 ADR/RID (EU): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1000 mL) SCT (MEXICO): UN1950, AEROSOLS, 2.1 (CANTIDAD LIMITADA, IP VOL ≤ 1000 mL) 147 ADGR (AUS): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1000 mL)



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		15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:	This product does not contain any substances 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):	NA NA
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 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 B5, D2B (Flammable Aerosol, Other Toxic Effects)
15.7	State Regulatory Information:	Difluoroethane can be found on the following state criteria lists: Massachusetts Hazardous Substances List (MA) and New Jersey Right-to-Know List (NJ). Ethanol is found on the following state criteria list: 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:	The primary components of this product are listed in Annex I of EU Directive 67/548/EEC. 1.1-Difluoroethane: Extremely Flammable, Harmful (F+, Xi). Risk Phrases (R): R12-37-65-67 – Extremely flammable. Irritating to respiratory system. Harmful: may cause lung damage if swallowed. Vapors may cause drowsiness or dizziness. Safety Phrases (S): S2-7-9-16-24/25-26-33-45-53 – Keep out of the reach of children. Keep container tightly closed. Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Take precautionary measures against static discharges. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). Avoid exposure - obtain special instructions before use. Ethanol: Flammable (F). Risk Phrases (R): 11 – Flammable. Safety Phrases (S): 2-7-16 – Keep out of reach of children. Keep container tightly closed. Keep away from sources of ignition – No smoking.



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	16. OTHER INFORMATION					
16.1	Other Information:					
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.				
16.3	Disclaimer:	government regulations must be reviewed for ap of CA's knowledge, the information contained suitability or completeness is not guaranteed an PROVIDED INCLUDING THE WARRANTIES C The information contained herein relates only	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other oplicability to this product. To the best of ShipMate's & Shield Packaging I herein is reliable and accurate as of this date; however, accuracy, and NO WARRANTIES OF ANY TYPE, EXPRESSED OR IMPLIED, ARE OF MERCHANTIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. To the specific product(s). If this product(s) is combined with other isidered. Data may be changed from time to time. Be sure to consult the			
16.4	Prepared for:	Shield Packaging of CA, Inc. 5165 "G" Street Chino CA 91710 USA Tel: +1 (909) 628-4707 Fax: +1 (909) 591-8916 http://www.shieldpackaging.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	ShipMate* Dangerous Goods Training & Consulting			



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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 LIMITS IN AIR:			
ACGIH	ACGIH American Conference on Governmental Industrial Hygienists		
С	Ceiling Limit		
ES	Exposure Standard (Australia)		
IDLH Immediately Dangerous to Life and Health			
OSHA	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:

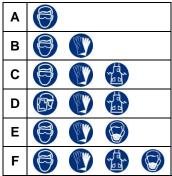
Cardiopulmonary resuscitation - method in which a person whose heart has
stopped receives manual chest compressions and breathing to circulate blood
and provide oxygen to the hody

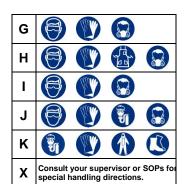
HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

HEALTH **FLAMMABILITY** PHYSICAL HAZARDS PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:









Dust & Vapor Half-











Respirator



Full Face Respirator

Mask Respirator 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	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	
₩	Use No Water	
ОХ	Oxidizer	
TREFOIL	Radioactive	



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 _{Io}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD _{lo} , LD _{lo} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC _o , LC _{io} , & LC _o	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	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:

0	*	(A)		\odot	®		
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:

1		M	*			X	X
С	E	F	Ν	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

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