ARBOR FREIGHT TOOLS

SAFETY DATA SHEET

Page 1 of 6 HFT-97272

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 7/29/2015 1. PRODUCT & COMPANY IDENTIFICATION 1.1 Product Name: 12 OZ ARCTIC FREEZE[®] REFRIGERANT 12 Chemical Name 1,1,1,2-Tetrafluoroethane 1.3 Synonyms P/N 97272 1.4 Trade Names Arctic Freeze® 15 Product Uses & Restrictions Refrigerant Harbor Freight Tools USA, Inc. 1.6 Distributor's Name: 1.7 Distributor's Address: 26541 Agoura Road, Calabasas, CA 91302 USA 1.8 Emergency Phone: CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 676687) 1.9 Business Phone / Fax: +1 (805) 388-1000 2. HAZARDS IDENTIFICATION Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS 2.1 according to the classification criteria of NOHSC: 1008(2004) and ADG Code (Australia). KEEP OUT OF REACH OF CHILDREN. WARNING. CONTAINS GAS UNDER PRESSURE: MAY EXPLODE IF HEATED. Classification: Liquefied Gas. Hazard Statements (H): H280 - Contains gas under pressure; may explode if heated. Precautionary Statements (P): P280 – Wear protective gloves and eye protection. P302 + P352 IF ON SKIN – Wash with soap and water. P333 + P313 - If skin irritation or a rash occurs – Get medical advice/attention. P305+P351+P338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice/attention. P304 - IF INHALED: Move to fresh air. If breathing has stopped, give artificial respiration and call physician immediately. P410 + P412 - Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F. P410+P403 - Protect from sunlight. Store in a well-ventilated place. P501 - Dispose of contents/container through licensed treatment, storage or disposal facility. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC OSHA ppm ppm ppm ES-ES-ES-TLV STEL TWA STEL PEAK PEL STEL IDLH CHEMICAL NAME(S) CAS No. RTECS No. EINECS No. OTHER % NA NA NA 1000 TWA KI8842500 212-377-0 60-100 NA NA 4240 NF 811-97-2 NF 1,1,1,2-TETRAFLUOROTHANE Liq. Gas; H280 POLYALKYLENE GLYCOL NA NA NA 5-15 NA NA NF NF NF NA NA NA MONOBUTYL ETHER NA NA 1-10 NA NA NF NF NF NA NA NA NA ADDITIVE PACKAGE NA NA NA 0.1-1 NA NA NF NF NF NA NA NA LEAK SEALER 4. FIRST AID MEASURES First Aid: If ingested, do not induce vomiting. Contact the nearest Poison Control Center or local emergency 4.1 Ingestion: number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. 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. Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough 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. If breathing is difficult, provide supplemental oxygen. If breathing has Inhalation: stopped, provide artificial respiration. Seek immediate medical attention. Provide supportive treatment, keeping victim warm and quiet. 4.2 Effects of Exposure: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Ingestion: "Frostbite-like" effects may occur if the liquid or escaping vapors contact the eyes. Mists may cause Eyes: irritation. Skin: Frostbite-like" effects may occur if the liquid or escaping vapors contact the skin. Mists may cause irritation Inhalation: Gross overexposure may cause central nervous system depression, dizziness, confusion, incoordination, drowsiness, irregular heartbeat accompanied by a strange feeling in the chest, "heart thumping," apprehension, light-headedness, weakness, fainting, loss of consciousness, and death.

HARBOR FREIGHT TOOLS

SAFETY DATA SHEET

Page 2 of 6 **HFT-97272**

Prepa	ared to OSHA, ACC, ANSI, No	OHSC, WHMIS, 2001/58 & 1272/2008/EC	Standa	rds		SDS Re	vision: 1.1		SDS F	Revisior	Date: 7/29/	2015	
							لم ⁽ 4						
		4. FIRST A						<u> </u>					_
4.3	Symptoms of Overexposure:	Inhalation may cause dizziness, of feeling in the chest, "heart thumpi death.											
4.4	Acute Health Effects:	"Frostbite-like" effects may occur if	the liqu	uid or es	caping va	apors con	tact the	eyes. N	/lists ma	y caus	e irritation		_
4.5	Chronic Health Effects:		Frostbite-like" effects may occur if the liquid or escaping vapors contact the skin. Mists may cause irritation.									_	
4.6	Target Organs:	Eyes, Skin, Respiratory System											
4.7	Medical Conditions	Pre-existing dermatitis, other skin	condit	tions, ar	nd disord	lers of th	ne HEA	LTH				1	
	Aggravated by Exposure:	target organs (eyes and skin). Pro	e-existir	ng cardi	ovascula	r or centra	al FLA	MMAE	BILITY			0	
		nervous system diseases.					PHY	SICAI	_ HAZ	ARDS		1	_
							PRC	DTECT	IVE EC		IENT	В	
							EYE		SKIN				
								_					_
	1	5. FIREF	IGH	ΓING	MEAS	SURES	6						
5.1	Fire & Explosion Hazards:	This product is non-flammable. Observe combustible when mixed Decomposition may occur. Contact refrigerant can result in visible cha will only occur in concentrations of stop all work and ventilate the refrigerant vapors from the work and	with air anges ir f produc area b	under plding or the sized the sized	oressure soldering e and co bove the roceeding	and expo torch flar olor of the recommon g. Use	bsed to s mes with torch fla ended ex forced	strong ig high co ame. T xposure	gnition s oncentra The flam e limit, th	sources ations on e effeo nerefor	s. of ct e	0	
5.2	Extinguishing Methods:	Water, Foam, CO ₂ , Dry Chemical.											
5.3	^{.3} Firefighting Procedures: 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 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. ACCIDENT											
6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). Secure spill area, remove or minimize all sources of ignition, and maximize ventilation. Stop spill or leak at source if safely possible. Deny entry to all unprotected individuals. Individuals involved in the cleanup must wear appropriate personal protective equipment. Recover free liquid or cover with inert absorbent material and place into appropriate container(s) for disposal. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers or any natural waterway or drinking supply. Contact appropriate local and/or provincial authorities for assistance and/or reporting requirements. Keep spills and cleaning runoffs out of drains, municipal sewers and open bodies of water.											
		7. HANDLING	. ст					N					_
7.1	Work & Hygiene Practices:								, offer .	ining t	aia produce	hand hafar	
7.1	work a Hygiche Fractices.	Use normal hygiene practices. A eating, drinking, or smoking.		ect skin	contact.	wasnin	ianus ind	Jioughi	y alter t	using t	lis produc	t and belore	e
7.2	Storage & Handling:	Use and store in a cool, dry, wel possible sources of ignition. Do n unmarked or open containers. Pro	ot store	e near o	r with an	y incomp	atible ma	aterials	listed in	Section	on 10. Do		
7.3	Special Precautions:	Readily available emergency fire, f	irst aid,	and spi	ll respons	se equipm	nent and	/or mea	sures a	re high	ly recomm	ended.	
8.1	Exposure Limits:	8. EXPOSURE CONTI			ERSC	NAL I	PROI	ECI	ION OSHA		OTHER		_
0.1	ppm (mg/m ³)		AC	GIR	ES-	ES-	ES-		USHA		UTHER		-
		CHEMICAL NAME(S)	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH			
0.0	Vantilation 9 Engine	1,1,1,2-TETRAFLUOROETHANE	NA	NA	4240	NF	NF	NA	NA	NA	1000 TW		_
8.2	Ventilation & Engineering Controls:	Normal ventilation for standard ma large amounts are released. Mech monitors may be necessary to dete or if employees are entering enclose	anical v ermine v	ventilatio vapor co	on should	be used	in low or	r enclos	ed plac	es. Re	efrigerant c	oncentratio	n
8.3	Respiratory Protection:	No special respiratory protection necessary, use only respiratory p §1910.134, or applicable U.S. st provinces, EU member states, or A	is requ rotectio ate reg	ired und on autho gulations	orized pe	r U.S. O	SHA's re	equirem	ent in 2	29 CFI	2		

9.16

9.17

Viscosity:

Other Information:

SAFETY DATA SHEET

Page 3 of 6 **HFT-97272**

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

NA

NA

evision: 1.1 SI

SDS Revision Date: 7/29/2015

Prepa	ared to OSHA, ACC, ANSI, N	OHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision D	ate: 7/29/2015
	1	EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd	
8.4	Eye Protection:	AVOID EYE CONTACT DUE TO FROSTBITE POTENTIAL. Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Wear goggles and/or face shield if splashing or spraying is anticipated. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. Have suitable eye wash water available. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).	AA
8.5	Hand Protection:	Use gloves constructed of chemical-resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, or the EU member states.	
8.6	Body Protection:	No special body protection is required under typical circumstances of use and handling.	
		9. PHYSICAL & CHEMICAL PROPERTIES	
9.1	Appearance:	Pressurized clear liquid	
9.2	Odor:	Slight ethereal odor	
9.3	Odor Threshold:	NA	
9.4	pH:	4.00-5.00	
9.5	Melting Point/Freezing Point:	NA	
9.6	Initial Boiling Point/Boiling Range:	NA	
9.7	Flashpoint:	204 °C (399 °F) (liquid portion of product)	
9.8	Upper/Lower Flammability Limits:	LEL: 11,000 ppm/UEL: 94,000 ppm (liquid portion of product)	
9.9	Vapor Pressure:	NA	
9.10	Vapor Density:	NA	
9.11	Relative Density:	NA	
9.12	Solubility:	Insoluble	
9.13	Partition Coefficient (log Pow):	NA	
9.14	Autoignition Temperature:	> 400 °C (752 °F)	
9.15	Decomposition Temperature:	NA	

10. STABILITY & REACTIVITY

10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition Products:	Warning! Hazardous decomposition products are hazardous. Thermal decomposition can yield hydrofluoric acid a possibly carbonyl fluoride. These materials are toxic and irritating. Contact should be avoided.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat, and close proximity to incompatible substances.
10.5	Incompatible Substances:	Alkalis, and alkaline earth materials

11.1	Routes of Entry:	Inhalation: YES	Absorption:	YES	Ingestion:	YES
11.2	Toxicity Data:	The product has not been tested for spe that this material is a slight irritant, but not		nimal studies, availa	ble in scientific liter	ature, have shown
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 re	productive toxicity in	humans.		
Mutagenicity: Tests have shown that this material does not cause genetic damage in bacterial or mammalian cell cu animals.					cell cultures, or in	
	Embryotoxicity:	Animal data shows slight fetotoxicity but o	nly at exposure level	s producing other to	xic effects in the adu	ult animal.
	Teratogenicity:	This product is not reported to produce te	ratogenic effects in h	umans.		
	Reproductive Toxicity: In a 2-year inhalation study, HFC-134A, at a concentration of 50,000 ppm, produced an increase in late-occurring be testicular tumors, testicular hyperplasia and testicular weight in mice. The no-effect-level for this study was 10,000 However, no change in reproductive performance was reported.					
11.7	Irritancy of Product:	Slight				
11.8	Biological Exposure Indices:	NE				
11.9	Physician Recommendations:	Treat symptomatically. Because of possi should only be used with special caution i			cholamine drugs, su	ch as epinephrine,

SAFETY DATA SHEET

Page 4 of 6 HFT-97272

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

SDS Revision: 1.1

SDS Revision Date: 7/29/2015

	12. ECOLOGICAL INFORMATION					
12.1	Environmental Stability:	There are no specific data available for this product.				
12.2	Effects on Plants & Animals:	EC_{50} (Daphnia magna, 48h): 980 mg/L; LC_{50} (Rainbow trout, 96h): 450 mg/L				
12.3	2.3 Effects on Aquatic Life: There are no specific data available for this product.					

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal:	Dispose of in accordance with federal, state, provincial and local regulations.
13.2	Special Considerations:	NA

14. TRANSPORTATION INFORMATION

		nber, proper shipping name, hazard class & division, packing group) is shown for each mode of tran e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	sportation. Additional
14.1	49 CFR (GND):	CONSUMER COMMODITY, ORM-D, DOT-SP 10232 (IP VOL ≤ 1.0 L) - until 12/31/2020 UN3159, 1,1,1,2-TETRAFLUOROETHANE, 2.2 (LTD QTY, IP VOL ≤ 1.0 L)	\diamond
14.2	IATA (AIR):	UN3159, 1,1,1,2-TETRAFLUOROETHANE, 2.2 (LTD QTY, IP VOL ≤ 820 mL)	\$
14.3	IMDG (OCN):	UN3159, 1,1,1,2-TETRAFLUOROETHANE, 2.2 (LTD QTY, IP VOL ≤ 1.0 L)	\diamond
14.4	TDGR (Canadian GND):	UN3159, 1,1,1,2-TETRAFLUOROETHANE, 2.2 (LTD QTY, IP VOL ≤ 1.0 L); or MARK PACKAGE "LIMITED QUANTITY/QUANTITÉ LIMITÉE" or "LTD QTY/QUANT LTÉE" (IP VOL ≤ 1.0 L)	\diamond
14.5	ADR/RID (EU):	UN3159, 1,1,1,2-TETRAFLUOROETHANE, 2.2 (LTD QTY, IP VOL ≤ 1.0 L)	\diamond
14.6	SCT (MEXICO):	UN3159, 1,1,1,2-TETRAFLUOROETHANE, 2.2 (LTD QTY, IP VOL ≤ 1.0 L)	\diamond
14.7	ADGR (AUS):	UN3159, 1,1,1,2-TETRAFLUOROETHANE, 2.2 (LTD QTY, IP VOL ≤ 1.0 L)	\diamond

15. REGULATORY INFORMATION SARA Reporting 15.1 This product does not contain any substances 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 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory or are otherwise exempt. CERCLA Reportable Quantity 15.4 NA (RQ): 15.5 Other Federal Requirements None of the ingredients are listed as Hazardous Air Pollutants (HAPs). None of the ingredients are listed as Toxic Pollutants under the Clean Water Act (CWA). None of the ingredients are listed as Priority Pollutants under the Clean Water Act (CWA). This product does not contain any Class 1 or Class 2 ozone depletors. 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 A (Compressed Gas) 15.7 State Regulatory Information: 1,1,1,2-Tetrafluoroethane is listed on the following state criteria lists: California Right-to-Know List; Minnesota Right-to Know list; Massachusetts Right to Know List of Chemicals; New Jersey Right to Know List 8:59 Appendix A. 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). Other Requirements: 15.8 The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC: Irritant (Xi). Risk Phrases (R): 36 - Irritating to eyes. Safety Phrases (S): 2-25-26 - Keep out of reach of children. Avid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SAFETY DATA SHEET

Page 5 of 6 **HFT-97272**

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

SDS Revision: 1.1

SDS Revision Date: 7/29/2015

		16. OTHER INFO	DRMATION				
16.1	Other Information:	protection. IF ON SKIN – Wash with soap and IF IN EYES - Rinse continuously with water for continue rinsing. If eye irritation persists: Get m has stopped, give artificial respiration and ca temperatures exceeding 50°C/122°F. Protect fro OF CHILDREN. USE AND STORE IN WELL VE	n cause dizziness, ventricular arrhythmia or even death. Use only with				
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.					
16.3	Disclaimer:	government regulations must be reviewed for an Tools USA, Inc.'s knowledge, the information accuracy, suitability or completeness is not guar provided. The information contained herein rela	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 & Harbor Freight Tools USA, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to				
16.4	Prepared for:	Harbor Freight Tools USA, Inc. 26541 Agoura Road Calabasas, CA 91302 USA Tel: +1 (805) 388-1000 http://www.harborfreight.com	HARBOR FREIGHT TOOLS Quality Tools at Ridiculously Low Prices				
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					

SAFETY DATA SHEET

Page 6 of 6 **HFT-97272**

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

SDS Revision: 1.1

SDS Revision Date: 7/29/2015

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

EXPUSURE	EXPOSORE LIMITS IN AIR:					
ACGIH	American Conference on Governmental Industrial Hygienists					
C	C 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	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:

Α			G	Θ				
В	в 🜍 🖤		н					
С				6				
D	B		J					
Е			к					
F			x		ur supervisor or Idling directions			
Sa	Safety Glasses Splash Goggl			ce Shield & ctive Eyewea	Glove	s		
	Boots	Synthetic Apron	Prote	Protective Clothing & Full Suit Dust Respire				
					I			
Full I	ace Respire	rator Dust & Vapor Half- Mask Respirator		Full Face Respirator	Airline Hood/Mask or SCBA			
отн	ER STAN	DARD ABBREVIATION	S:					
	ML	Maximum Limit						
mg/m3 milligrams per cubic meter								
NA Not Available								
ND Not Determined								
	NE	Not Established						
	NF	Not Found						
L	NR	No Results						
	ppm SCDA	parts per million	nnorati -					
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 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					
OX	Oxidizer					
TREFOIL	Radioactive					
TOXICOLO	TOXICOLOGICAL INFORMATION:					



LD50 Lethal Dose (solids & liquids) which kills 50% of the exposed animals s 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 TCL0 Lowest concentration to cause a symptom TD₁₀, LD₁₀, & LD₂, or Lowest dose (or concentration) to cause lethal or toxic effects TC, TC, C₁₀, & LC₀ LOwest dose (or concentration) to cause lethal or toxic effects TREC 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_{ow} co Coefficient of OilWater 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:

\bigcirc	۲	٨		()	۲		R
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:

V		N	*		®X	×	×
С	E	F	Ν	0	т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

	$\langle \! \! \circ \! \! \rangle$		\Diamond			\diamond		
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment