0·P·I

SAFETY DATA SHEET

Page 1 of 6 **SDS-020**

		L													0.5.0	<u> </u>		303-020
Prepa	ared to C	DSHA, AC	C, Ar	ISI, NOHSO	, whmis,	2001/58 & 12	272/2008	B/EC Standar	ds		SDSF	Revision	: 3.1		SDS	Revisio	n Date: 2	2/8/2016
					1.	PROD	υст	& COM	PANY	IDE	NTIF		ΤΙΟΝ	N				
1.1	Produc	t Name:		0		P SKIP												
.2	Chemi	cal Name:		So	lvent Mixt	ure												
.3	Synony	/ms:		NA	١													
.4	Trade I	Names:		NT	100, NT1	06												
.5	Produc	t Use:		Pro	ofessional	or Sundry I	Use Or	nly										
.6	Distribu	utor's Name	e:	OF	PI Product	s, Inc.												
.7	Distribu	utor's Addre	ess:	13	034 Satico	by Street, N	o. Holly	wood. CA	91605 US	A								
.8	Emerge	ency Phone	e:			EC: +1 (7					1-930	0 (CC	N 16	377)				
.9	Busine	ss Phone /	Fax:			-2400 / +1												
						2	ΗΔ7	ZARDS		IFIC	ΔΤΙΟ)N						
.1	Hazard	I Identificat	ion:	Th	is product	t is classifie							s 000	de ac	ordin	a to th		
				DA RE DI Cla Ha ski Pro Sn P2 wit of N wa P3 firs be ext	ANGER! ACTION. ZINESS. assification zard State n reaction occautional noking. P 61 – Avo h soap an the workp J SKIN: W ter for se 33+P313 t aid treat fore reuse tinction.		LAMM/ ES SE : H225 : Auses of the second g fume er hanc o ap an es. Re tation c tation c Section 378 – I 5 – St	ABLE LIQU RIOUS EX IN Sens. 1A – Highly fla serious eye P210 – Ke iner tighly of /mist/vapors lling. P272 ar protective d water. P3 d water. P3 of water. P3 of a rash occ a 4 of this S n case of floore in a w	EVENTIANT AND A E IRRITA E IRR	APOR ATION 2A; ST quid ar H336 om he 43 – T 2264 – inated /e prot +P338 if pres if pres medic Shee Halon (ed pla	A. MA OT SE ad vapo – May at/spar ake ac - Wash work c ection/r – IF IN eent an al advi t). P36 (if perm ce. K	Y CAU Y CAU Y CA or. H31 cause ks/ope tion to a expos lothing face pr N EYES d easy ce/atte 33 – W hitted), keep c	7 – Ma drowsi n flam prever sed sk should otectio S: Rins to do ntion. ash co dry ch ool.	ay cau iness of e/hot s nt stat in are d not b on. P3 se con P321 ontamin	/SINE use an or dizz surfac ic disc as the be allo 602+P3 tinuou ntinue – For nated al, or f	allerg tiness. ees – N charge prough wed ou 352 – I usly wit rinsing specific clothin foam fo	R ic lo s. ly ut IF th g. ic ng or	
					3. C	OMPOS	SITIC	N & IN	GREDI	FNT	INF	ORM	ΙΔΤΙ	ON				
					0.0							•			IMITS IN	N AIR (m	a/m ³)	
										AC	GIH		NOHSC			OSHA		
										р	pm		ppm			ppm		
												ES-	ES-	ES-				
IEMI	CALNAN	AE(S)			AS No. 41-78-6	AH542500		EINECS No. 205-500-4	% 60-100	TLV 400	STEL 400	TWA 200	STEL 400	PEAK NF	PEL NA	STEL NA		OTHER 400 TWA
ΉΥL	LACET	ATE				Eye Irrit. 2; S				400	400	200	400	INI		14/4	2000	-00 I WA
					336-21-6	BQ96250		215-647-6	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	
		IYDROXI	DE	S	kin Corr. 1E	3; Aquatic Act	ute 1; H	314, H400										
ΑΤΕ	R (AQU	A/EAU)		7	732-18-5	NA	1	231-791-2	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	
										_								
	-							IRST A										
4.1	First Ai	u:			<u>es:</u> in:	IMMEDIA unconscio estimate o swallowed Splashes water for a contact a p If irritation washing o	TELY. ous person of the d. are no at least physician occurso of the a	If the patie son. Conta time at wh t likely; how t 15 minutes an. and product	nt is vomi ct the nea ich the m wever, if p s. Open a ct is on the a with soa	ing, co rest Po aterial roduct nd clo e skin, p and	ontinue bison C was in gets i se eye rinse th water.	to offe ontrol ngeste n the lid(s) to norough Do n	er wate Center d and eyes, f o ensu hly with ot wea	er or m r or loo the a flush w ire tho h luke ar con	nilk. N cal em moun with c rough warm tamina	Never g nergend t of th opious irrigat water, ated cl	give wa cy num ne subs amour ion. If followe othing	f water or m ter or milk to a ber. Provide a stance that wants of lukewar irritation occur ed by a thoroug until after it ha intely.
				<u>Int</u>	alation:		victim t	o fresh air				• •				-		Seek immedia



Page 2 of 6 **SDS-020**

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

SDS Revision: 3.1

		4. FIRST AID MEASURES – cont	'd								
4.2	Effects of Exposure:	Ingestion: If product is swallowed, may cause nausea, vomiti depression.	ng and/or diarrhea and central ner	vous system							
		<u>Eyes</u> : Vapor of this product may be mildly to moderately irritation to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering.									
		Skin:May be irritating to skin in some sensitive individuals, especially after prolonged or repeated skin contact.Clothing:May bond skin to clothing and release heat, causing burns.									
		Inhalation: Inhalation of vapors is unlikely under normal condition irritating to the nose, throat and other tissues of the re-									
		include coughing, wheezing, nasal congestion, and diffi levels listed in Section 3 (Composition and Ingredien	culty breathing. Inhalation of vapors entral ner	exceeding the							
4.3	Symptoms of Overexposure:	depression (e.g., drowsiness, dizziness, headaches, na Symptoms of skin overexposure in individuals may include redness, i will bond skin instantly. Overexposure in eyes may cause redness, it	tching, and irritation of affected areas.	. This product							
4.4	Acute Health Effects:	Mild to moderate irritation to eyes and skin near affected areas. This polymerization in contact with clothing, releasing heat. Skin burns	product will bond skin instantly. May ι	0 1							
4.5	Chronic Health Effects:	vapors can cause drowsiness, dizziness, headaches and nausea. None known.									
4.6	Target Organs:	Eyes, Skin, Respiratory System									
4.7	Medical Conditions	Pre-existing dermatitis, other skin conditions.	HEALTH	1							
	Aggravated by Exposure:		FLAMMABILITY	3							
			PHYSICAL HAZARDS	0							
			PROTECTIVE EQUIPMENT	В							
			EYES SKIN								
		5. FIREFIGHTING MEASURES									
5.1	Fire & Explosion Hazards:	DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR! Keep a sparks & open flame. Keep container closed.	way from heat, lit cigarettes,								
5.2 5.3	Extinguishing Methods: Firefighting Procedures:	CO ₂ , Halon (if permitted), Dry Chemical, Foam, as authorized.									
		This product is a Class IB flammable liquid. When involved in a fire, this product will ignite readily and decompose to produce carbon oxides. Vapors of this product are heavier than air and may travel to a source of ignition and flash back to a leaking or open container. First responders should wear eye protection. Structural firefighters must wear SCBAs and full protective equipment. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product. <u>HazChem Code</u> : 3(Y)E <u>Hazard Identification Number</u> : 33									
		6. ACCIDENTAL RELEASE MEASU	RES								
6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill clear Equipment. For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) wear appropriate perso Maximize ventilation (open doors and windows) and secure all so absorbent material and place into appropriate closed container(s) for local, state and federal regulations. Wash all affected areas and o soap. Remove any contaminated clothing and wash thoroughly befor	onal protective equipment (e.g., gogg ources of ignition. Remove spilled r disposal. Dispose of properly in acc utside of container with plenty of war re reuse.	gles, gloves). material with cordance with rm water and							
	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 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 INFORM	ATION								
7.1	Work & Hygiene Practices:										
7.2	Storage & Handling:	Keep this material away from heat, sparks and open flame. Ope container closed tightly when not in use. Empty container may co empty containers should be handled with care. Store containers in a light sources, or sources of intense heat. Store away from incompatit	ontain residual amounts of this produ	uct; therefore,							
7.3	Ight sources, or sources of intense heat. Store away from incompatible materials (See Section 10). 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. Do not store where temperatures can exceed 50 °C (122 °F).										



Page 3 of 6 **SDS-020**

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

SDS Revision: 3.1

		8. EXPOSURE CON	TROLS	& PER	SONA	L PRO	TEC	TION			
8.1	Exposure Limits:		ACGIH		NOHSC	_		OSHA	T	OTHER	
	ppm (mg/m ³)	CHEMICAL NAME(S)	TLV STE	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH		
		ETHYL ACETATE	400 400		400	NF	NA	NA	2000	400 TWA	
8.2	Ventilation & Engineering Controls:	When working with large quan Ensure that an eyewash station								aust ventilation, fans).	
8.3	Respiratory Protection:	No special respiratory protection									
		necessary, use only respiratory	y protection	authorized	I per U.S.	OSHA's	require	ment in	29 CF	R	
		§1910.134, or applicable U.S. provinces, E.C. member states,	or Australia.			-					
8.4	Eye Protection:	product. Always use protective	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. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.								
8.5	Hand Protection:	AVOID SKIN CONTACT DUE				If antic	inated t	hat nro	longed	8.	
		repeated skin contact will occur industrial use. If necessary, ref Canada, of the E.C. member sta	during use fer to U.S. O	of this pro	duct, wear	latex or	rubber g	gloves fo	or routin	e 🐠	
8.6	Body Protection:	AVOID SKIN CONTACT DU		ITIZING	POTENTI	AL. Hov	vever.	no spe	cial bod	v	
		protection is required under ty					,			·	
		appropriate standards of Canad						,			
	1	9. PHYSICAI	_ & CHE	MICAL	. PROF	PERTI	ES				
9.1	Appearance:	Clear Liquid									
9.2	Odor:	Characteristic fragrant, fruity od	or								
9.3	Odor Threshold:	ND									
9.4	pH:	NA									
9.5	Melting Point/Freezing Point:	NA									
9.6	Initial Boiling Point/Boiling Range:	77.2-108.8 °C (171 – 228 °F)									
9.7	Flashpoint:	- 4 °C (24 °F) TCC									
9.8	Upper/Lower Flammability Limits:	11.4% / 2.2%									
9.9	Vapor Pressure:	NA									
9.10	Vapor Density:	ND									
9.11	Relative Density:	0.895									
9.12	Solubility:	Miscible with alcohol, ether, gly	cerin, volatile	oils, wate	r, and mos	st organic	solvent	s.			
9.13	Partition Coefficient (log Pow):	ND									
9.14	Autoignition Temperature:	426.6 °C (800 °F)									
9.15	Decomposition Temperature:	NA									
9.16	Viscosity:	NA									
9.17	Other Information:	NA									
			ABILITY								
10.1	Stability:	Stable under ambient conditions									
10.2	Hazardous Decomposition Products:	If exposed to extremely high to carbon oxide gases (e.g., NH ₃ ,	CO, CO ₂).	•	ucts of the	ermal dec	composi	tion ma	y includ	e irritating vapors and	
10.3	Hazardous Polymerization:	May occur, if exposed to extrem									
10.4	Conditions to Avoid:	Exposure to or contact with extr									
10.5	Incompatible Substances:	This product is incompatible w muriatic acids), nitrates, or stror					eroxide	s), stro	ng acids	s (e.g., hydrochloric or	
11. TOXICOLOGICAL INFORMATION											
11.1	Routes of Entry:	Inhalation: YES		A	osorption:	YES			Inges	stion: YES	
11.2	Toxicity Data:	This product has NOT been tes available for some of the compo <u>Ethyl Acetate</u> : LD_{50} (oral, rat) =	onents of the	product ar	nd is prese	ented belo	w:				
11.3	Acute Toxicity:	See Section 4.4			,				/		
11.4	Chronic Toxicity:	See Section 4.5									
11.5	Suspected Carcinogen:	This product contains Ethyl Ac	etate which i	s not carc	inoaenic t	o humans	s, but is	listed a	s Grour	3 carcinogens by the	



Page 4 of 6 **SDS-020**

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

SDS Revision: 3.1

		11. TOXICOLOGICAL INFORMATION – cont'd
11.6	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 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.
12.1	Environmental Stability:	12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are as follows:
		Ethyl Acetate: $K_{OC} = 0.72$. Water solubility: 64,000 mg/L. Bioconcentration Factor = 4-14. Bioconcentration is not
		anticipated to be significant. This compound can be removed from contaminated environments from volatilization, and
		biodegradation. This compound's half-life in water is 6.1 hours.
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:	
13.1	Special Considerations:	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
T 1 1		
		proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information /ICAO, IMDG and the CTDGR.
14.1	49 CFR (GND):	UN1263, PAINT, 3, II, LTD QTY (IP VOL ≤ 1.0 L) or
		CONSUMER COMMODITY, ORM-D – until 01/01/2021
14.2	IATA (AIR):	ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L)
		UN1263, PAINT RELATED MATERIAL, 3, II (IP VOL ≤ 1.0 L)
14.3	IMDG (OCN):	
14.4	TDGR (Canadian GND):	UN1263, PAINT RELATED MATERIAL, 3, II, LTD QTY (IP VOL ≤ 1.0 L) UN1263, PAINT RELATED MATERIAL, 3, II, LTD QTY (IP VOL ≤ 1.0 L); or "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (≤ 1.0 L)
		"LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (≤ 1.0 L)
14.5	ADR/RID (EU):	UN1263, PAINT RELATED MATERIAL, 3, II, LTD QTY (IP VOL ≤ 1.0 L)
14.6	SCT (MEXICO):	UN1263, PRODUCTOS PARA PINTURA, 3, II, CANTIDAD LIMITADA (IP VOL ≤ 1.0 L)
14.7	ADGR (AUS):	UN1263, PAINT RELATED MATERIAL, 3, II, LTD QTY (IP VOL ≤ 1.0 L)
		*
* This	product may also be shipped	d as an Excepted Quantity (Inner Package Volume ≤ 30 mL, Total Quantity ≤ 500 mL per Outer Package)
		15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:	This product contains Ethyl Acetate, a substance that is subject to SARA Title III, Section 304 reporting.
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):	Ethyl Acetate: 2,270 kg (5,000 lbs); Ammonium Hydroxide: 454 kg (1,000 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).
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 B2, D2B (Flammable, Other Toxic Effects)

$0 \cdot P \cdot I$

SAFETY DATA SHEET

Page 5 of 6 **SDS-020**

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

SDS Revision: 3.1 SDS

		15. REGULATORY INFORMATION – cont'd
15.7	State Regulatory Information:	Ethyl Acetate is found on the following state criteria lists: California Hazardous Substances List (CA), Delaware Air Quality Management List (DE), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposures List (WA). <u>Ammonium Hydroxide</u> is found on the following state criteria lists: MA and 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 Hazardous Substances List (CA), California Proposition 65 List (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: <u>Ethyl Acetate</u> : Flammable (F). <u>Risk Phrases</u> (R): 11-36/37/38 – Highly flammable. Irritating to eyes, respiratory system and skin. <u>Safety Phrases</u> (S): 2-16-23-29-33 – Keep out of the reach of children. Keep away from sources of ignition - No smoking. Do not breathe gas, fumes, vapor or spray. Do not empty into drains. Take precautionary measures against static discharges.
		16. OTHER INFORMATION
16.1	Other Information:	DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. Keep away from heat/sparks/open flame/hot surfaces – No Smoking. Keep container tightly closed. Take action to prevent static discharges. Avoid breathing fume/mist/vapors/spray. Wash exposed skin areas thoroughly with soap and water after handling. Wear protective gloves/eye protection/face protection. IF ON SKIN: Wash with soap and water. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If skin irritation or a rash occurs – Get medical advice/attention. Store in a well-ventilated place. Keep cool. KEEP OUT OF REACH OF CHILDREN.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to 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'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 consult the latest edition.
16.4	Prepared for:	OPI Products, Inc. 13034 Saticoy Street No. Hollywood, CA 91605 USA Tel: +1 (818) 759-2400 Fax: +1 (818) 759-5776 http://www.opi.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



Page 6 of 6 **SDS-020**

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

SDS Revision: 3.1

SDS Revision Date: 2/8/2016

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	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	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:

Α						G		E) (
в						н		F		代回	
С						Ι) (
D	B					J		E) (Î	
Е						κ	Î) (A	
F	0					х	Consult for spec	your su ial han	uperv dling	isor o directi	r SOPs ions.
							_				
Sa	fety Glas	ses	Splash 0	Goggles	P		Shield &			Glove	s
	Boots		Synthetic	c Apron	P		tive Cloth	ing	Dus	St Resp	birator
			6						A 1-11-	Î	

OTHER STANDARD ABBREVIATIONS:

Full Face Respirator

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

Full Face

Respirator

Airline Hood/Mask

or SCBA

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

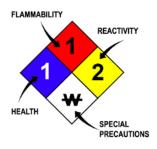
ð T Dust & Vapor Half-

Mask Respirator

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

-	
HAZARD RATINGS:	

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



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	TD _{Io} , LD _{Io} , & LD _o or Lowest dose (or concentration) to cause lethal or toxic effects				
TC, TC ₀ , LC ₁₀ , & LC ₀					
IARC International Agency for Research on Cancer					
NTP	National Toxicology Program				
RTECS	Registry of Toxic Effects of Chemical Substances				
BCF	Bioconcentration Factor				
TLm	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:

\bigcirc	۲	۲		Ð	(Ŕ
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compresse d	Flammabl e	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

¶		×	¥,		Ý	×	×
с	E	F	Ν	0	т	Xi	Xn
Corrosive	Explosive	Flammabl e	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

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