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

SDS Revision: 1.0

SDS Revision Date: 2/22/2021

Classification of the Hazardous Chemical (in accordance with WHS Regulation) 1. PRODUCT & COMPANY IDENTIFICATION 1.1 Product Name: ProOne[®] MULTI-PURPOSE EP-2 GREASE 1.2 Chemical Name: Mineral Oil 1.3 Synonyms: NA 1.4 Trade Names: ProOne[®] Multi-Purpose EP-2 Grease 1.5 Product Uses & Restrictions Lubricating Grease 1.6 Distributor's Name Pro-1-One Lubrication Australia PTY LTD 1.7 Distributor's Address Unit 2, 198 Walters Rd, Arndell Park, NSW, 2199, Sydney, Australia 1.8 Emergency Phone: Poisons Information Centre: Australia: 13 11 26 New Zealand: 0800 764 766 1.9 Business Phone / Fax: Tel: +61 1300 00 7761 2. HAZARDS IDENTIFICATION 2.1 Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE but not as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). In the event of an exposure or medical inquiry involving this product, please contact a physician or local poison control center, who may seek advice from the U.S. manufacturer, and show them this SDS. DANGER! MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE. MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE. Classification: Asp. Tox. 1; Skin. Irrit. 2; Eye Dam. 1; Aquatic Chronic 4 Hazard Statements (H): H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H318 - Causes serious eye damage. H413 - May cause long lasting harmful effects to aquatic life. Precautionary Statements (P): P264 - Wash thoroughly with soap and water after handling. P280 – Wear protective gloves/eye protection. P273 – Avoid release to the environment. P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331 – Do NOT induce vomiting. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P321 - Specific treatment see this container label. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and was it before reuse. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor. P405 - Store locked up. P501 - Dispose of contents/container to an approved waste disposal plant. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC OSHA ppm ppm ppm ES-ES-ES-RTECS No. EINECS No TLV STEL PEL STEL IDLH OTHER CHEMICAL NAME(S) CAS No. % TWA STEL PEAK DISTILLATES (PETROLEUM), MIST 64742-54-7 PY8035501 265-157-1 30-70 5 NF NF NF NF 5 NF NF HYDROTREATED HEAVY Asp. Tox. 1; H304 PARAFFINIC8 61789-86-4 NA 263-093-9 20-30 NA NA NF NF NF NA NA NA CALCIUM SULFONATE Skin Sens. 1; Eye Irrit. 2; H317, H319 26264-06-2 NA 247-557-8 1.0-10 NA NA NF NF NF NA NA NA CALCIUM DODECYLBENZENESULFONATE Skin Irrit. 2; Eye Dam. 1; Aquatic Chronic 4; H315, H318, H413 THIODIETHYLENE BIS [3-(3,5-DI-41484-35-9 NA 255-392-8 1.0-10 NA NA NF NF NF NA NA NA TERT-BUTYL-4-HYDROXY-PHENYL) PROPIONATE] NA NA 0.0-10 NA NA NF NF NF NA NA NA NA ProOne[®] PROPRIETARY * contains less than 3% Dimethyl Sulfoxide (DMSO) 4. FIRST AID MEASURES DO NOT INDUCE VOMITING. Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control 4.1 First Aid: Ingestion: Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, Eyes: holding eyelid(s) open to ensure complete flushing. If the eyes or face become swollen during or following use, consult a physician or emergency room immediately. Skin: Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Do not wear contaminated clothing until after it has been properly cleaned. Inhalation: Remove victim to fresh air at once. If breathing is difficult, administer supplemental oxygen and seek immediate medical attention. If breathing stops, perform artificial respiration.



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EXT	REME LUBRICANTS				PRO1-0	10			
		I, NOHSC, WHMIS, 1272/2008/EC & GHS Standards SDS	Revision: 1.0	SDS Revision D	ate: 2/22/2021	1			
lass	sification of the Hazardou	s Chemical (in accordance with WHS Regulation)							
		4. FIRST AID MEASURES – co	ont'd						
.2	Effects of Exposure:	Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Eyes: May cause transient mild-eye irritation with short-term contact with liquid, spray or mist. Skin: This product can cause mild, transient skin irritation with short-term exposure. This product can cause mild, transient skin irritation with short-term exposure. This product can callergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. Inhalation: No significant adverse health effects are expected to occur upon short-term exposure to this product of the spread of the structure of the structur							
	Question of Question	Aspiration of liquid into the lungs can cause severe		leath.					
4.3	Symptoms of Overexposur	Skin: Symptoms of skin overexposure may include reduce can cause allergic skin reactions (e.g., rashes, welt	can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure						
1.4	Acute Health Effects:	Moderate irritation to eyes and skin near affected areas. Addition drowsiness, dizziness, headaches and nausea.	ially, nign concer	itrations of vapors	can cause				
4.5	Chronic Health Effects:	Contains a petroleum-based mineral oil. Prolonged or repeated characterized by drying, cracking, (dermatitis) or oil acne. Repea oil mists at concentrations above applicable workplace expo pulmonary effects.	ted or prolonged	inhalation of petro	oleum-based	d mine			
.6	Target Organs:	Eyes, Skin, Respiratory System.							
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of target organs (eyes, skin, and respiratory system).	FLAMN	IABILITY		1			
				CTIVE EQUIPM	CNT	0			
						B			
			EYES	SKIN					
		5. FIREFIGHTING MEASURI	=9						
.2 .3	Extinguishing Methods: Firefighting Procedures:	 concentrations of hydrogen sulfide can be released. Dry Chemical, Foam, Carbon Dioxide, Water Fog. Keep containers cool until well after the fire is out. Use water s and to protect personal. Avoid spraying water directly into storag boil over. Prevent runoff from fire control or dilution from ente supply, or any natural waterway. Firefighters must use full bunk positive pressure self-contained breathing apparatus to pro- 	ge containers be ring sewers, dra ker gear including	cause of danger o ins, drinking wate g NIOSH-approved	f r i	0			
		combustion or decomposition products and oxygen deficiencies.							
		6. ACCIDENTAL RELEASE MEAS	SUBES						
6.1	Spills:	 Before cleaning any spill or leak, individuals involved in spill Equipment. For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) wear appropriate p Maximize ventilation (open doors and windows). Remove sp appropriate closed container(s) for disposal. Dispose of properly Wash all affected areas and outside of container with plenty or clothing and wash thoroughly before reuse. For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unp material (e.g., sand or earth). Transfer liquid to containers for recontainers for proper disposal. Remove contaminated clothing 	cleanup must ersonal protectiv illed material wi in accordance w of warm water a protected individu covery or dispos	ve equipment (e.c th absorbent mat vith local, state and nd soap. Remov uals. Dike and co	g., goggles, erial and pl d federal reg ve any conta ontain spill v	gloves ace in julation aminate vith ine			
		water. Keep spills and cleaning runoffs out of municipal sewers a		ash affected skin					
		water. Keep spills and cleaning runoffs out of municipal sewers a 7. HANDLING & STORAGE INFOR	nd open bodies o	ash affected skin a	areas with s	oap ar			
7.1	Work & Hygiene Practices:	water. Keep spills and cleaning runoffs out of municipal sewers a 7. HANDLING & STORAGE INFOR Use normal hygiene practices. Avoid breathing vapors. Avoid of this product and before eating, drinking, or smoking.	nd open bodies of MATION direct skin contac	ash affected skin a of water. ot. Wash hands th	areas with s	ter usi			
7.1 7.2 7.3	Work & Hygiene Practices: Storage & Handling: Special Precautions:	water. Keep spills and cleaning runoffs out of municipal sewers a 7. HANDLING & STORAGE INFOR Use normal hygiene practices. Avoid breathing vapors. Avoid of	nd open bodies of MATION direct skin contact from excessive or storage device	ash affected skin a of water. ct. Wash hands th heat, open flame es.	areas with s noroughly af s, sparks, a	ter usin			



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

SDS Revision: 1.0 SDS

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Class	ification of the Hazardous Ch	nemical (in accordance with WHS Regul	ation)									
		8. EXPOSURE CONT	ROL	S & I	PERSO)NAL F	PROTE	CTIC	DN			
8.1	Exposure Limits:		AC	GIH		NOHSC	1		OSHA	1	OTHER	
	ppm (mg/m ³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
		DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	5	NA	5	NF	NF	5	NA	NA	MIST	
8.2	Ventilation & Engineering	Use with adequate ventilation to										
	Controls:	exhaust ventilation to control air this product is used.	oorne v	apor. E	Ensure ey	ewash/safe	ety shower	statior	ns are a	available	near a	eas where
8.3	Respiratory Protection:	necessary, use only respirator Protection Standard (29 CFR 19	intain airborne contaminant concentrations below guidelines listed above, if applicable. If sessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory otection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard 4.4-93, the European Standard EN149, or EU member states.									
8.4	Eye Protection:	Safety glasses equipped with sid use. Wear goggles and/or face s shield if material is heated above	hield if	splashir	ng or sprag	ying is ant	icipated. W	ear go	ggles a			
8.5	Hand Protection:	Use gloves constructed of chem frequent or prolonged contact is a appropriate standards of Canada	ical res expecte	sistant m ed. If ne	naterials s cessary, r	uch as ne efer to U.S	oprene or l	heavy	nitrile ru			
8.6	Body Protection:	Avoid prolonged and/or repeated neoprene or Tyvek®) if splashin include long-sleeves, apron, be clothing. Launder oil contaminated removed promptly and discarded	d skin o ng or s pots ar ed cloth	contact. spraying nd addi	Use clear condition tional fac	n and imp s are pre ial protect	sent. Prote tion. Remo	ctive o ve oil	lothing contar	should ninated		
		9. PHYSICAL	& C	HEMI	CAL P	ROPE	RTIES					
9.1	Appearance:	Blue colored semi-solid paste										
9.2	Odor:	Mild petroleum odor										
9.3	Odor Threshold:	NA										
9.4	pH:	NA										
9.5	Melting Point/Freezing Point:	NA										
9.6	Initial Boiling Point/Boiling Range:	NA										
9.7	Flashpoint:	275 °C (527 °F)										
9.8	Upper/Lower Flammability Limits:	NA										
9.9	Vapor Pressure:	Negligible at ambient temperature	,									
9.10	Vapor Density:	NA	-									
9.11	Relative Density:	0.886-0.89										
9.12	Solubility:	NA										
9.13	Partition Coefficient (log Pow):	NA										
9.14	Autoignition Temperature:	NA										
9.15	Decomposition Temperature:	NA										
9.16	Viscosity:	NA										
9.17	Other Information:	VOC: < 1%										
		10. STA	BILI	TY &	REAC	ΤΙVΙΤΥ	,					
10.1	Stability:	Stable at normal temperatures.			/.0							
10.2	Hazardous Decomposition Products:	Fumes, smoke, carbon monoxide	, silicor	n oxides	•							
10.3	Hazardous Polymerization:	Will not occur.										
10.4	Conditions to Avoid:	Open flames, sparks, high heat, a	and clo	se proxir	mity to inc	ompatible	substances	i.				
	10.5 Incompatible Substances: Strong oxidizing agents.											



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SDS Revision: 1.0

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		OHSC, WHMIS, 1272/2008/EC & GHS Standards SDS Revision: 1.0 SDS Revision Date: 2/22/2021
Class	ification of the Hazardous Ch	nemical (in accordance with WHS Regulation)
		11. TOXICOLOGICAL INFORMATION
1.1	Routes of Entry:	Inhalation: NO Absorption: YES Ingestion: YES
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, available for some of the components of the product and is presented below: <u>Distillates, Petroleum, Solvent-Refine</u> <u>Heavy Paraffinic</u> – LD ₅₀ (oral, rat) > 5000 mg/kg; LD ₅₀ (dermal, rabbit) > 2000 mg/kg.
11.3	Acute Toxicity:	Oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects fro single and short-term repeated exposures to high concentrations of oil mists well above applicable workplace exposu levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acu studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure level produced no significant toxicological effects.
11.4	Chronic Toxicity:	In long term studies (up to two years) no carcinogenic effects have been reported in any animal species tested.
11.5	Suspected Carcinogen:	This product contains a severely hydrotreated distillate with less than 3 % DMSO extract as measured by IP 346 and i therefore, not considered a carcinogen.
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 produce teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
11.7	Irritancy of Product:	See section 4.3
11.8	Biological Exposure Indices:	NE
11.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	This product is believed to be stable. Engineering controls should be put in place to prevent release to the environment.
12.2	Effects on Plants & Animals:	No evidence is currently available on this product's effects on plants or animals.
12.3	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 hazardous waste laws.
13.2	Special Considerations:	NA
		14. TRANSPORTATION INFORMATION
desc	riptive information may b	nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Addition e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED
		15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:	This product 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):	Calcium Dodecylbenzenesulfonate: 454 kg (1,000 lbs)
15.5	Other Federal Requirements:	None of the ingredients are listed as Hazardous Air Pollutants (HAPs). None of the ingredients are listed as Tox Pollutants under the Clean Water Act (CWA). None of the ingredients are listed as Priority Pollutants under the Clean

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. 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 15.6 Other Canadian Regulations: DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects)





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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 1272/2008/EC & GHS Standards SDS Revision: 1.0 SDS Revision Date: 2/22/2021 15. REGULATORY INFORMATION – cont'd Calcium Dodecylbenzenesulfonate is found on the following state criteria lists: Massachusetts Hazardous Substances 15.7 State Regulatory Information: List (MA) and Pennsylvania Right-to-Know List (PA). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI) 15.8 Other Requirements: The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC: Distillates (Petroleum), Hydrotreated Heavy Paraffinic: Toxic (T). Risk Phrases (R): 45 - May cause cancer. Safety Phrases (S):53-45 - Avoid exposure - obtain special instructions before use. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible) <u>Calcium Dodecylbenzenesulfonate</u>: Harmful (Xn). <u>Risk Phrases</u> (R): R36/37/38-65 – Irritating to eyes, respiratory system and skin. Harmful – may cause lung damage if swallowed. <u>Safety</u> <u>Phrases</u> (S): S (2)-23-24-62 - Keep out of the reach of children. Do not breathe fumes/mists/vapors/spray. Avoid contact with skin. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible 16. OTHER INFORMATION DANGER! MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SKIN IRRITATION. CAUSES 16.1 Other Information: SERIOUS EYE DAMAGE. MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE. Wash thoroughly with soap and water after handling. Wear protective gloves/eye protection. Avoid release to the environment. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. Specific treatments see this container label. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and was it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Store locked up. KEEP LOCKED UP AND 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 & ProOne, 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 consult the latest edition. Pro-1-One Lubricant Australia PTY LTD 16.4 Prepared for: Unit 2, 198 Walters Rd, Arndell Park, NSW, 2199, Sydney, Australia Tel: +61 1300 00 7761 e-mail: info@pro-one.net.au http://www.pro-one.net.au 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 Training & Consult http://www.shipmate.com



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 1272/2008/EC & GHS Standards Classification of the Hazardous Chemical (in accordance with WHS Regulation)

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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 I	LIMITS IN AIR:		
ACGIH	American Conference on Governmental Industrial Hygienists		
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:

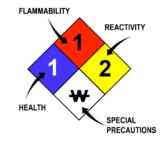
0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:

Α	0		G 🕞 🚺 😨					
В			н 🕞 🜒 🏠 🕃					
С		🕐 🍪	I 🕞 🜒 😧					
D	B		J 🕒 🕥 🚱 😧					
Е		()	к 🚯 🜒 🚯 🔇					
F	0		X Consult your supervisor or SOPs special handling directions.	fo				
Sa	fety Glass	es Splash Goggles	Face Shield & Gloves					
	Boots	Synthetic Apron	Protective Clothing & Full Suit					
		Dust & Vapor Half-	Full Face Airline Hood/Mas	k				
	ace Respi	Mask Respirator	Respirator or SCBA					
		DARD ABBREVIATION Maximum Limit	S:					
	mg/m3	milligrams per cubic meter						
	NA	Not Available						
	ND	Not Determined		_				
<u> </u>	NE	Not Established						
	NF	Not Found						
	NR	No Results						
	ppm	parts per million						
	SCBA	Self-Contained Breathing A	Apparatus					
NAT	NATIONAL FIRE PROTECTION ASSOCIATION: NFPA							
FLA	MMABILI	TY LIMITS IN AIR:						
	toignition nperature	Minimum temperature req source of ignition	uired to initiate combustion in air with no oth	er				
	LEL	Lower Explosive Limit - lo explode or ignite in the pre	west percent of vapor in air, by volume, that w sence of an ignition source	/ill				
	UEL	Upper Explosive Limit - his explode or ignite in the pre	ghest percent of vapor in air, by volume, that w sence of an ignition source	/ill				

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 _{lo}	Lowest dose to cause a symptom				
	TCLo	Lowest concentration to cause a symptom				
	0 ₁₀ , & LD _o or LC ₁₀ , & LC ₀	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				
	TLm	Median threshold limit				
log K _{ov}	v or log K _{oc}	Coefficient of Oil/Water Distribution				
EGULATO	ORY INFOR	MATION:				
WHMIS	Canadian W	/orkplace Hazardous Material Information System				
DOT	U.S. Depart	ment of Transportation				
тс	Transport C	anada				
EPA	U.S. Enviror	nmental Protection Agency				
DSL	Canadian D	omestic Substance List				
NOHSC	National Oc	cupational Health and Safety Commission (Australia)				
NDSL	Canadian N	on-Domestic Substance List				
PSL	Canadian P	riority Substances List				
TSCA U.S. Toxic Substance Control Act						
EU	EU European Union (European Union Directive 67/548/EEC)					
WCK	WGK Wassergefährdungsklassen (German Water Hazard Class)					
WOR	S-III National Paint & Coatings Association Hazardous Materials Identification System					

WORKFEACE MAZARDOUS MATERIALS IDENTIFICATION (WHMIS) STSTEM									
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Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F		
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive		

Explosive

Flammable

Oxidizer

Pressurize

T.		N.	t	8	*	×	×			
с	Е	F	N	0	т	Xi	Xn			
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful			
CLP/GHS (1272/2008/EC) PICTOGRAMS:										

Ø Sit ł. NY Y <u>0</u> ¥, GHS01 GHS02 GHS03 GHS04 GHS05 GHS06 GHS07 GHS08 GHS09

Corrosive

Harmful Irritating

Toxic

Health

Hazard

Environme