BIRCHWOOD TECHNOLOGIES

SAFETY DATA SHEET

Page 1 of 6 **BTI-073**

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards

SDS Revision: 3.0

SDS Revision Date: 3/10/2022

		1	PRODUC		ΡΔΝΥ	IDF				N				
1.1	Product Name:	DRI-TOU	_											
1.2		Petroleum Dis												
1.3		811851, 8118												
1.4	Trade Names:	Dri-Touch [®] RF												
1.5			- Solvent Based	Rust Prever	itatives									
1.6	Distributor's Name:	Birchwood Lat	oratories LLC											
1.7			oad, Eden Prair	ie MN 55344	USA									
1.8	Emergency Phone:		1 (800) 424-9	,		887 o	r Pois	son C	ontro	l Cen	ter +1	(855)	281-1	742
1.9	Business Phone / Fax:		7900 / +1 (952)		00,02,0					1 0011		(000)	2011	
								~~						
				ZARDS										
2.1	Hazard Identification:	Canadian WH DANGER! M PROLONGED	MIS and Austra	alian Work He IF SWALLO ED EXPOSUR	alth and S WED AND RE. FLAM	afety. ENTE MABL		RWA	. CAL	JSES I				CFR 1910.1200. NS THROUGH
		Precautionary P210 – Keep C No smoking dust/fume/gas – Do not eat, c P319 – Get m help immediat immediately a case of fire: U extinguisher to	jans through pr <u>Statements</u> (P container away t . P233 – /mist/vapors/sp lrink, or smoke edical help if yo tely. P331 – D II contaminated se carbon diox o extinguish. P 01 - Dispose of	P): P203 – Ob from heat, hot Keep conta oray. P264 – V when using th u feel unwell. o NOT includ clothing. Rin ide, foam, lov 403+P235 – \$	tain, read surfaces, ainer tigh Vash thoro is product. P301+P3 le vomiting se affected v velocity v Store in a v	, and f sparks ughly c P280 16 – IF g. P30 d areas water f well-ve	follow ; , open losed. with so – Wea SWAL 3+P36 s with v og, Ha entilate	all safe flames P26 ap and r prote LOWE 1+P35 vater, o lon (if d place	ety ins and o 0 – I water ctive g ED: Ge 3 – IF or show permit e. Kee	truction ther ig Do after h loves/d t emer ON S wer. P: ted), o p cool.	ns beform not nandlir eye pro gency KIN: 370+P r dry c P405	ore use sources breath ng. P27 otectior medica Take o 378 – I chemica – Stor	s. e 0 n. al ff n al e	
2.3	Other Warnings:	center, who m	f an exposure ay seek advice F REACH OF (from the U.S							t a ph	ysician	or loca	l poison control
		3. CC	MPOSITI	ON & IN	GREDI	ENT	INF	OR	MAT	ION				
									EXPC	SURE L	IMITS IN	N AIR (mg	g/m³)	
						AC	GIH		NOHSC	;		OSHA		
						р	pm		ppm			ppm		
CHEMI	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
			WJ8930000Q	265-191-7	70-100	100	NA	100	NA	NA	500	NA	NA	OTTLER
	JM ALIPHATIC	,			10-100	100		100			000		цА	
		Asp. Tox. 1; S 107-98-2	TOT RE 1 (cns); I UB7700000	203-539-1	1-5	100	150	100	NF	NF	100	150	NA	
	METHYL ETHER		TOT SE 3; H226,		1.0	100	100	100			100	100		L
		61789-86-4	NA	263-093-9	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
CALCI	UM SULFONATE	Skin Sens. 1B												
BARIU	IM ALKYLNAPHTHALENE	25619-56-1	NA	247-132-7	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
SULFA		Acute Tox. (or	al) 4; Skin Irrit. 2;	Skin Sens. 1; E	ye Irrit. 2; A	cute To	ox. (inhl) 4; H30	2, H31	5, H317	7, H319	, H332		
			4.	FIRST A		ASU	RES							
4.1	First Aid:	Ingestion: DC							121-02	00 or t	he ner	arest D	nison C	ontrol Center or
7.1		loc vo <u>Eves</u> : If p ey a p <u>Skin</u> : Re ski	al emergency miting occurs s product gets in t elid(s) open to e physician or em move contamir	telephone nu pontaneously he eyes, flush ensure comple ergency room nated clothing sens, contact	mber for a , keep vict n eyes thor ete flushing n immediat and wash	assista im's he oughly g. If th ely. affecte	ince ar ead low with c e eyes ed area	nd inst vered (opious or face	ructior forwar amou e beco soap a	ns. Se rd) to ro ints of r ime sw and wa	ek im educe water f ollen c iter. If	mediate the risk for at le luring c	e medic c of asp ast 15 n or follow nfort per	al attention. If
		Inhalation: Re		fresh air at o		er extre	eme co	ondition	ıs, if br	reathin	g stop	s, perfo	orm artif	icial respiration.

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.2	Effects of Exposure:	4. FIRST AID MEASURES – cont' Eyes: Irritation upon direct contact.			
	Effects of Exposure.	Skin: Irritation and possible dermatitis.			
		Ingestion: Irritation to the gastrointestinal tract. Aspiration of mineral	oil into the lunas	can cause chem	ical pneumoni
		Inhalation: Inhalation of high vapor concentrations may cause centra	-		•
		headache, dizziness, and disorientation.	,	· ·	•
.3	Symptoms of Overexposure:	Eyes: Redness, burning, irritation, and swelling around eyes.			
		Skin: Redness, burning, itching, rash, and scaling of the skin (d	ermatitis).		
		Ingestion: Nausea, vomiting, severe abdominal pain.		1	
.4	Acute Health Effects:	Inhalation: Coughing, wheezing, swelling of throat, irritation in mucou May be fatal if swallowed and enters airways. May cause an allergic sk			
	Floate Hould Encote.	of high vapor concentrations may cause headaches, stupor, irritation o			
.5	Chronic Health Effects:	May damage the nervous system, kidney and/or liver.	,	<u> </u>	
.6	Target Organs:	Eyes, Skin, Lungs.			
.7	Medical Conditions Aggravated by Exposure:	Persons with pre-existing central nervous system (CNS) disease,	HEALTH		1
	Aggravated by Exposure.	neurological conditions, skin disorders, chronic respiratory diseases,	FLAMMABIL	TY	2
		or impaired liver or kidney function should avoid exposure.	PHYSICAL H	AZARDS	0
				EQUIPMENT	
			EYES SK		
		5. FIREFIGHTING MEASURES			
5.1	Fire & Explosion Hazards:	WARNING! Flammable liquid and vapor. High heat will cause produ	at to boil ovolving	waper that	
		could cause explosive rupture of closed containers. Avoid all ignition s			
		and open flames. Product or residue can ignite explosively.		punto, nour	
5.2	Extinguishing Methods:	Carbon dioxide, foam, low velocity water fog, Halon (if permitted), dry o	chemical extinguis	sher.	
5.3	Firefighting Procedures:	As with any fire, firefighters should wear appropriate protective equipme	ent including a MS	HA/NIOSH	
		approved or equivalent self-contained breathing apparatus (SCBA) and			
		hot oil. Hazardous decomposition products may be released. Therm			
		oxides of carbon, and/or nitrogen, hydrocarbons and/or derivatives. F safe distance. Keep containers cool until well after the fire is out.			\sim
		exposed surfaces and to protect personal. Fight fire upwind. Preve			
		dilution from entering sewers, drains, drinking water supply, or any nat			
		6. ACCIDENTAL RELEASE MEASU	RES		
6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup mu	st wear appropria	te Personal Prot	ective Equipme
		(PPE). Use safety glasses or safety goggles and face shield; use glove	es and other prote	ective clothing (e	.g., apron, boo
		etc.) to prevent skin contact. <u>Small Spills</u> : Wear appropriate protective equipment including gloves	and protoctive of	www.ar llso.a	non combustik
		inert material such as vermiculite or sand to soak up the product and p			non-combustic
		more matchar ouch ac volimicante el bana te oban ap me product ana p			osal
		Large Spills: Keep incompatible materials (e.g., organics such as oil) a	away from spill. S		
		Large Spills: Keep incompatible materials (e.g., organics such as oil) a release. Isolate immediate hazard area and keep unauthorized perso			away from spil
			onnel out of area.	Stop spill or re	away from spil elease if it can
		release. Isolate immediate hazard area and keep unauthorized perso done with minimal risk. Use ONLY non-sparking tools. Wear appr protection as conditions warrant. Recover as much free liquid as po	onnel out of area opriate protective ssible and collec	Stop spill or re equipment incl t in acid-resista	away from spil elease if it can luding respirat
		release. Isolate immediate hazard area and keep unauthorized perso done with minimal risk. Use ONLY non-sparking tools. Wear appr	onnel out of area opriate protective ssible and collec	Stop spill or re equipment incl t in acid-resista	away from spil elease if it can luding respirat
		release. Isolate immediate hazard area and keep unauthorized perso done with minimal risk. Use ONLY non-sparking tools. Wear appr protection as conditions warrant. Recover as much free liquid as po absorbent to pick up residue. Avoid discharging liquid directly into a se	onnel out of area. opriate protective ssible and collec wer or surface wa	Stop spill or re equipment incl t in acid-resista	away from spil elease if it can luding respirat
		release. Isolate immediate hazard area and keep unauthorized perso done with minimal risk. Use ONLY non-sparking tools. Wear appr protection as conditions warrant. Recover as much free liquid as po absorbent to pick up residue. Avoid discharging liquid directly into a se 7. HANDLING & STORAGE INFORMA	onnel out of area. opriate protective ssible and collec wer or surface wa	Stop spill or re equipment incl t in acid-resista aters.	away from spil elease if it can uding respirat nt container. L
7.1	Work & Hygiene Practices:	release. Isolate immediate hazard area and keep unauthorized perso done with minimal risk. Use ONLY non-sparking tools. Wear appr protection as conditions warrant. Recover as much free liquid as po absorbent to pick up residue. Avoid discharging liquid directly into a se 7. HANDLING & STORAGE INFORMA Avoid breathing mists or spray. Avoid eye and skin contact. Wear protection	onnel out of area. opriate protective ssible and collec wer or surface wa	Stop spill or re e equipment incl t in acid-resista aters. when handling p	away from spil elease if it can uding respirat nt container. L
7.1	Work & Hygiene Practices:	release. Isolate immediate hazard area and keep unauthorized perso done with minimal risk. Use ONLY non-sparking tools. Wear appr protection as conditions warrant. Recover as much free liquid as po absorbent to pick up residue. Avoid discharging liquid directly into a se 7. HANDLING & STORAGE INFORMA Avoid breathing mists or spray. Avoid eye and skin contact. Wear prote of the reach of children. Do not eat, drink or smoke when handling this	onnel out of area. opriate protective ssible and collect wer or surface war TION ective equipment s product. Wash	Stop spill or re e equipment incl t in acid-resista aters. when handling p thoroughly after	away from spil elease if it can uding respirat nt container. L product. Keep of handling. Do i
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	8.	EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd
8.3	Respiratory Protection:	In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.
8.4	Eye Protection:	Safety glasses with side shields must be used when handling or using this product. A protective face shield is also recommended.
.5	Hand Protection:	Wear protective, chemical-resistant gloves (e.g., neoprene) when using or handling this product.
.6	Body Protection:	Not required under normal conditions of use. A chemical resistant apron and/or protective clothing are recommended when handling or using large quantities (e.g., > 5 gallons (18.9 L)) of this product.
		9. PHYSICAL & CHEMICAL PROPERTIES
.1	Appearance:	Pale brown, clear liquid
9.2	Odor:	Kerosene odor
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	- 55 °C (- 67 °F) – Solvent Naphtha
9.6	Initial Boiling Point/Boiling	> 148.9 °C (> 300 °F)
9.7	Range: Flashpoint:	41.7 °C (107 °F)
9.8	Upper/Lower Flammability	
	Limits:	LEL: 1.0 %; UEL: 6.0 %
9.9	Vapor Pressure:	0.13 mmHg @ 68 °F / 20 °C – Solvent Naphtha
9.10	Vapor Density:	> 1.0 (air = 1.0)
9.11	Relative Density:	0.777
9.12	Solubility:	Immiscible (water)
9.13 9.14	Partition Coefficient (log Pow):	NA
9.14 9.15	Autoignition Temperature: Decomposition Temperature:	316 °C (600 °F) – Solvent Naphtha
9.15	Viscosity:	NA NA
	viscosity.	
	Other Information	
	Other Information:	Evaporation Rate: < 1.0 (ethyl ether = 1.0); VOC: > 90% v/v
	Other Information:	Evaporation Rate: < 1.0 (ethyl ether = 1.0); VOC: > 90% v/v
9.17	1	Evaporation Rate: < 1.0 (ethyl ether = 1.0); VOC: > 90% v/v 10. STABILITY & REACTIVITY
9.17	Stability:	Evaporation Rate: < 1.0 (ethyl ether = 1.0); VOC: > 90% v/v 10. STABILITY & REACTIVITY Stable under normal storage and use conditions.
9.17	1	Evaporation Rate: < 1.0 (ethyl ether = 1.0); VOC: > 90% v/v 10. STABILITY & REACTIVITY Stable under normal storage and use conditions.
9.17 10.1 10.2	Stability: Hazardous Decomposition	Evaporation Rate: < 1.0 (ethyl ether = 1.0); VOC: > 90% v/v 10. STABILITY & REACTIVITY Stable under normal storage and use conditions. Reaction with strong reducing agents and oxidizer can create a fire. Thermal decomposition may produce carbon a
9.17 10.1 10.2 10.3	Stability: Hazardous Decomposition Products:	Evaporation Rate: < 1.0 (ethyl ether = 1.0); VOC: > 90% v/v 10. STABILITY & REACTIVITY Stable under normal storage and use conditions. Reaction with strong reducing agents and oxidizer can create a fire. Thermal decomposition may produce carbon a nitrogen oxides, hydrocarbons and/or derivatives.
9.17 10.1 10.2 10.3 10.4	Stability: Hazardous Decomposition Products: Hazardous Polymerization:	Evaporation Rate: < 1.0 (ethyl ether = 1.0); VOC: > 90% v/v 10. STABILITY & REACTIVITY Stable under normal storage and use conditions. Reaction with strong reducing agents and oxidizer can create a fire. Thermal decomposition may produce carbon a nitrogen oxides, hydrocarbons and/or derivatives. Will not occur.
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SDS Revision: 3.0

SDS Revision Date: 3/10/2022

13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal: Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriate disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage and disposal of hazardous waste must be provided by a licensed facility or waste hauler. 13.2 Special Considerations: U.S. EPA Hazardous Waste Number D001 (Ignitability). If incinerated, the resulting ash will contain extractable barium. A waste with extractable barium of 100 ppm or greater is assigned EPA Hazardous Waste Number D005 (Toxicity Characteristic – Barium).

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):	NOT REGULATED PER 49 CFR 173.150(f)(2) – NON-BULK PKG VOL \leq 119 U.S. GLS (119 L) UN1993 ELAMMABLE LIQUIDS N.O.S. (SQLVENT NAPHTHA) 3 UL(LTD QTY, IP VOL \leq 5.0 L)	
IATA (AIR):	ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L) UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 1.0 L)	÷
IMDG (OCN):	UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L)	
TDGR (Canadian GND):	UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L)	
ADR/RID (EU):	UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L)	
SCT (MEXICO):	UN1993, LIQUIDOS INFLAMMABLES, N.E.P. (NAFTA SOLVENTE), 3, III (CANT. LTDA., IP VOL ≤ 5.0 L)	
ADGR (AUS):	UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L)	
	IATA (AIR): IMDG (OCN): TDGR (Canadian GND): ADR/RID (EU): SCT (MEXICO):	49 CFR (GND):NOT REGULATED PER 49 CFR 173.150(f)(2) – NON-BULK PKG VOL \leq 119 U.S. GLS (119 L) UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL \leq 5.0 L)IATA (AIR):ID8000, CONSUMER COMMODITY, 9 (IP VOL \leq 0.5 L) UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL \leq 1.0 L)IMDG (OCN):UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL \leq 5.0 L)TDGR (Canadian GND):UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL \leq 5.0 L)ADR/RID (EU):UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL \leq 5.0 L)ADR/RID (EU):UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL \leq 5.0 L)ADR/RID (EU):UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL \leq 5.0 L)ADR/RID (EU):UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL \leq 5.0 L)ADR/RID (EU):UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY, IP VOL \leq 5.0 L)ADR/RID (EU):UN1993, LIQUIDOS INFLAMMABLES, N.E.P. (NAFTA SOLVENTE), 3, IIIADR/RID (EU):UN1993, LIQUIDOS INFLAMMABLES, N.E.P. (NAFTA SOLVENTE), 3, IIIADR/RID (EU):UN1993, LIQUIDOS INFLAMMABLES, N.E.P. (NAFTA SOLVENTE), 3, III

15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:	This product contains Propylene Glycol Monomethyl Ether, a substance subject to SARA Title III, Section 313 reporting requirements.
15.2	SARA TPQ:	NA
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	NA
15.5	Other Federal Requirements:	ΝΑ
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR. 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 Class B3, D2B (Flammable, other Toxic Effects).
15.7	State Regulatory Information:	Propylene Glycol Monomethyl Ether is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to- Know List (PA), and Washington Permissible Exposures List (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). This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
15.8	Other Requirements:	This product is found on the following inventory lists: Australia - AICS, China – IECSC, Europe – ELINCS/EINEC, Japan – ENCS; Korea – KECI; New Zealand – NZIoC; {Philippines – PICCS; USA – TSCA.

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		16. OTHER INFO	ORMATION
16.1	Other Information:	PROLONGED OR REPEATED EXPOSURE. FL surfaces, sparks, open flames and other ignition dust/fume/gas/mist/vapors/spray. Wash thorough using this product. Wear protective gloves/eye emergency medical help immediately. Do NOT clothing. Rinse affected areas with water, or sho	AND ENTERS AIRWAY. CAUSES DAMAGE TO ORGANS THROUGH AMMABLE LIQUID AND VAPOR. Keep container away from heat, hot in sources. No smoking. Keep container tightly closed. Do not breathe ly with soap and water after handling. Do not eat, drink, or smoke when protection. Get medical help if you feel unwell. IF SWALLOWED: Get include vomiting. IF ON SKIN: Take off immediately all contaminated ower. In case of fire: Use carbon dioxide, foam, low velocity water fog, to extinguish. Store in a well-ventilated place. Keep cool. Store locked
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	government regulations must be reviewed for Technologies' knowledge, the information contai suitability or completeness is not guaranteed an The information contained herein relates only to t	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other applicability to this product. To the best of ShipMate's & Birchwood ned herein is reliable and accurate as of this date; however, accuracy, d no warranties of any type, either expressed or implied, are provided. he specific product(s). If this product(s) is combined with other materials, Data may be changed from time to time. Be sure to consult the latest
16.4	Prepared for:	Birchwood Technologies 7900 Fuller Road Eden Prairie, MN 55344 USA Tel: +1 (952) 937-7900 Fax: +1 (952) 937-7979 http://www.birchwoodtechnologies.com	BIRCHWOOD TECHNOLOGIES
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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SDS Revision Date: 3/10/2022

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	
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	ACGIH American Conference on Governmental Industrial Hygienists		
IDLH	Immediately Dangerous to Life and Health		
NOHSC	National Occupational Health and Safety Commission (Australia)		
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:

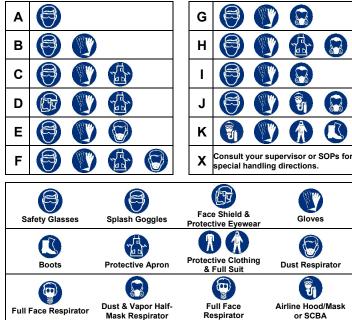
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

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:



OTHER STANDARD ABBREVIATIONS:

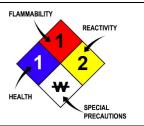
Carc	Carcinogenic		
Irrit	Irritant		
NA	Not Available		
NR	No Results		
ND	Not Determined		
NE	Not Established		
NF	Not Found		
SCBA	Self-Contained Breathing Apparatus		
Sens	Sensitization		
STOT RE	Specific Target Organ Toxicity – Repeat Exposure		
STOT SE	Specific Target Organ Toxicity – Single Exposure		

I	NATIONAL FIRE PROTECTION ASSOCIATION: NFPA					
	FLAMMABILITY LIMITS IN AIR:					
	Autoignition	Minimum temperature required to initiate combustion in air with r				

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	FLA
1	Slight Hazard	FL/
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	•	
ALK	Alkaline	
COR	Corrosive	/
w	Use No Water	HE/
OX	Oxidizer	
TREFOIL	Radioactive	



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals			
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal			
ppm	Concentration expressed in parts of material per million parts			
TD _{to} Lowest dose to cause a symptom				
TCLo Lowest concentration to cause a symptom				
TD _{Io} , LD _{Io} , & 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			
TLm	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				
тс	Transport Canada				
EPA	U.S. Environmental Protection Agency				
DSL	Canadian Domestic Substance List				
NDSL	SL Canadian Non-Domestic Substance List				
PSL	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:

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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

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

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