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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision: 3.0 SDS Revision Date: 2/14/2022

		1.	PRODUC [*]	T & COM	PANY	IDE	NTIF	FICA	<u>OIT.</u>	N				
1.1	Product Name:	DRI-TOU	CH® IRP1											
1.2	Chemical Name:	Petroleum Dis	stillate											
1.3	Synonyms:		51, 810058, 81	0051PLAS, 8	10058PLA	S, 810	058FL	AM						
1.4	Trade Names:	Dri-Touch® IR												
1.5	Product Use:		netrate, Displac	e Water, Prot	ect Surfac	es fron	1 Corro	osion						
1.6	Distributor's Name:		boratories LLC											
1.7	Distributor's Address:		oad, Eden Prair											
1.8	Emergency Phone:		+1 (800) 424-9		03) 527-3	887 o	r Pois	son C	ontro	I Cen	ter +1	(855)	281-1	742
1.9	Business Phone / Fax:	+1 (952) 937-	-7900 / +1 (952)	937-7979										
			2. HA	ZARDS	IDENT	IFIC	ATIC	ON						
2.1	Hazard Identification:	Canadian WH DANGER! M PROLONGE	IMIS and Austra	alian Work He IF SWALLO ED EXPOSUF	alth and S WED AND RE. FLAM	afety. ENTE MABLI	RS AI	IRWAY	. CAL	JSES I				FR 1910.1200. NS THROUGH
2.2	Label Elements:	Hazard Statements (H): H304 – May be fatal if swallowed and enters airways. H372 – Causes damage to organs through prolonged or repeated exposure. H226 – Flammable liquid and vapor. Precautionary Statements (P): P210 – Keep container away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 – Keep container tightly closed. P260 – Do not breathe dust/fume/gas/mist/vapors/spray. P264 – Wash thoroughly with soap and water after handling. P270 – Do not eat, drink, or smoke when using this product. P280 – Wear protective gloves/eye protection. P319 – Get medical help if you feel unwell. P301+P316 – IF SWALLOWED: Get emergency medical help immediately. P331 – Do NOT include vomiting. P303+P361+P353 – IF ON SKIN: Take off immediately all contaminated clothing. Rinse affected areas with water, or shower. P370+P378 – In case of fire: Use carbon dioxide, foam, low velocity water fog, Halon (if permitted), or dry chemical extinguisher to extinguish. P403+P235 – Store in a well-ventilated place. Keep cool. P405 – Store locked up. P501 - Dispose of contents/container to licenses treatment,												
2.3	Other Warnings:	In the event of center, who m	ay seek advice F REACH OF (or medical inc from the U.S CHILDREN.	manufact	turer, a	ind sho	ow ther	m this	SDS.	t a phy	/sician	or loca	poison control
		3. 60	<u> MPOSITI</u>	UN & IN	GKEDI		IINF	UKI						
						40	GIH	1	NOHSC		IMITS IN	AIR (mg		
							om		ppm	•		ppm		
								ES-	ES-	ES-		ppiii		
	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	OTHER
-	ENT NAPHTHA (OLEUM), MEDIUM	64742-88-7	WJ8930000Q	265-191-7	60-100	100	NA	100	NA	NA	500	NA	NA	
ALIPH		Asp. Tox. 1; S	TOT RE 1 (cns); I	H304, H372										
	YLENE GLYCOL	107-98-2	UB7700000	203-539-1	1-5	100	150	100	NF	NF	100	150	NA	
MONO	METHYL ETHER		STOT SE 3; H226,		1									
CALC	UM SULFONATE	61789-86-4 Skin Sens. 1B	NA - H217	263-093-9	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
BARII	IM ALKYLNAPHTHALENE	25619-56-1	NA	247-132-7	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
SULF			al) 4; Skin Irrit. 2;											
			4.	FIRST A	D ME	\SU I	RES							
4.1	First Aid:	Ingestion: DO							124-93	800 or t	he nea	rest P	oison Co	ontrol Center or
		Eyes: If p	cal emergency miting occurs so product gets in the celid(s) open to end by sician or ememove contamir	telephone nu pontaneously he eyes, flush ensure comple ergency room	mber for a , keep vict , eyes thor ete flushind , immediat	assistar im's he oughly g. If the ely.	nce aread low with contents	nd instruction in the contract of the contract	ructior forwar amou e beco	ns. Se rd) to re ints of v ime sw	ek imr educe t water fo ollen d	nediate the risl or at le uring c	e medic c of aspi ast 15 m or followi	al attention. If ration. inutes, holding ng use, consult sists and/or the
		be <u>Inhalation</u> : Re		sens, contact aned. fresh air at o	a physicia nce. Unde	an imm		•					Ū	intil after it has cial respiration.
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4.2		4. FIRST AID MEASURES – cont	.'d					
	Effects of Exposure:	Eyes: Irritation upon direct contact. Skin: Irritation and possible dermatitis. Ingestion: Irritation to the gastrointestinal tract. Aspiration of mineral Inhalation: Inhalation of high vapor concentrations may cause cent headache, dizziness, and disorientation.		-		•		
4.3	Symptoms of Overexposure:	Eyes: Redness, burning, irritation, and swelling around eyes. Skin: Redness, burning, itching, rash, and scaling of the skin (d	ermatitis).					
1.4	Acute Health Effects:	Ingestion: Nausea, vomiting, severe abdominal pain. Inhalation: Coughing, wheezing, swelling of throat, irritation in mucou				Investorial Describi		
1.5	Chronic Health Effects:	May be fatal if swallowed and enters airways. May cause an allergic si of high vapor concentrations may cause headaches, stupor, irritation of May damage the nervous system, kidney and/or liver.						
.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, or impaired liver or kidney function should avoid exposure.	FLAMMAE	BILITY		2		
		of impalled liver of kidney function should avoid exposure.	PHYSICAL	L HAZARDS	}	0		
				IVE EQUIP		В		
			EYES	SKIN				
			'	•		•		
		5. FIREFIGHTING MEASURES						
5.1	Fire & Explosion Hazards:	Flammable liquid. High heat will cause product to boil, evolving vapor rupture of closed containers. Avoid all ignition sources such as specific product or residue can ignite explosively.						
5.2	Extinguishing Methods:	Carbon dioxide, foam, low velocity water fog, Halon (if permitted), dry						
5.3	Firefighting Procedures:	As with any fire, firefighters should wear appropriate protective equipm						
		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.						
		safe distance. Keep containers cool until well after the fire is out.				~		
			exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control					
					JI			
		dilution from entering sewers, drains, drinking water supply, or any nat	ural waterway		J			
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6.1	Spills:	6. ACCIDENTAL RELEASE MEASU Before cleaning any spill or leak, individuals involved in spill cleanup m (PPE). Use safety glasses or safety goggles and face shield; use glovetc.) to prevent skin contact.	IRES ust wear approves and other p	opriate Person	al Prote	g., apron, boo		
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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards

SDS Revision: 3.0

	,	EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd					
3.3	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					
3.4	Eye Protection:	Australia. Safety glasses with side shields must be used when handling or using this product. A protective face shield is also recommended.					
3.5	Hand Protection:	Wear protective, chemical-resistant gloves (e.g., neoprene) when using or handling this product.					
3.6	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.					
_	Γ.	9. PHYSICAL & CHEMICAL PROPERTIES					
.1	Appearance: Odor:	Opaque, light brown liquid Kerosene odor					
.3	Odor Threshold:	NA					
.4	pH:	NA NA					
.5	Melting Point/Freezing Point:	-55 °C (-67 °F) – Solvent Naphtha					
.6	Initial Boiling Point/Boiling	> 148.9 °C (> 300 °F)					
7	Range: Flashpoint:	41.7 °C (107 °F)					
).7).8	Upper/Lower Flammability	<u> </u>					
	Limits:	LEL: 1.0 %; UEL: 6.0 %					
.9	Vapor Pressure:	0.13 mmHg @ 68 °F / 20 °C – Solvent Naphtha					
.10	Vapor Density:	> 1.0 (air = 1.0)					
.11	Relative Density:	0.781					
.12	Solubility:	Immiscible (water)					
.13	Partition Coefficient (log Pow):	NA NA					
.14	Autoignition Temperature:	316 °C (600 °F) – Solvent Naphtha					
.15	Decomposition Temperature:	NA NA					
.16	Viscosity:	NA					
9.17	Other Information:	Evaporation Rate: < 1.0 (ethyl ether = 1.0); VOC: > 90% v/v					
		10. STABILITY & REACTIVITY					
0.1	Stability:	Stable under normal storage and use conditions.					
0.2	Hazardous Decomposition	Reaction with strong reducing agents and oxidizer can create a fire. Thermal decomposition may produce carbon and					
	Products:	nitrogen oxides, hydrocarbons and/or derivatives.					
0.3	Hazardous Polymerization:	Will not occur.					
0.4	Conditions to Avoid:	Excessive heat and incompatible materials.					
0.5	Incompatible Substances:	Strong reducing agents, acids, alkalis, oxidizing agents.					
		11. TOXICOLOGICAL INFORMATION					
1.1	Routes of Entry:						
1.1	Toxicity Data:	1 120					
1.2	TOXICITY Data.	Solvent Naphtha (petroleum), Medium Aliphatic: LD50 (oral, rat) > 5,000 mg/kg; Propylene Glycol Monomethyl Ether: LD (oral, rat) = 5,660 mg/kg					
1.3	Acute Toxicity:	See Section 4.4					
1.4	Chronic Toxicity:	See Section 4.5					
1.5	Suspected Carcinogen:	NA					
1.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.					
	Mutagenicity:	This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans.					
	Embryotoxicity:						
	Teratogenicity:	This product is not reported to produce embryotoxic effects in humans.					
	Reproductive Toxicity:	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 4.2							
	Biological Exposure Indices:	NE					
	Physician	Treat symptomatically.					
1.8	Recommendations:						
11.8		12 ECOLOGICAL INFORMATION					
11.8	Recommendations:	12. ECOLOGICAL INFORMATION This product is expected to have a low potential to degrade and thus is expected to persist in the environment. □Do n					
I1.8 I1.9		This product is expected to have a low potential to degrade and thus is expected to persist in the environment. Do note allow to enter into soil/subsoil. If product enters soil, it will be mobile and may contaminate groundwater.					
1.8	Recommendations: Environmental Stability:	This product is expected to have a low potential to degrade and thus is expected to persist in the environment. □Do n					



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		13. DISPOSAL CONSIDERATIONS
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriat disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, an federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage an 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. waste with extractable barium of 100 ppm or greater is assigned.
		14. TRANSPORTATION INFORMATION
		nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
14.1	49 CFR (GND):	NOT REGULATED PER 49 CFR 173.150(f)(2) – NON-BULK PKG VOL ≤ 119 U.S. GLS (119 L) UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY - IP VOL ≤ 5.0 L)
14.2	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)
14.3	IMDG (OCN):	UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY - IP VOL ≤ 5.0 L)
14.4	TDGR (Canadian GND):	UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY - IP VOL ≤ 5.0 L)
14.5	ADR/RID (EU):	UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY - IP VOL ≤ 5.0 L)
14.6	SCT (MEXICO):	UN1993, LIQUIDOS INFLAMMABLES, N.E.P. (NAFTA SOLVENTE), 3, III (CANTIDAD LIMITADA-IP VOL ≤ 5.0 L)
14.7	ADGR (AUS):	UN1993, FLAMMABLE LIQUIDS, N.O.S. (SOLVENT NAPHTHA), 3, III (LTD QTY - IP VOL ≤ 5.0 L)
		45 DECILI ATORY INFORMATION
	1	15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:	This product contains <u>Propylene Glycol Monomethyl Ether</u> , a substance subject to SARA Title III, section 313 reportir requirements.
15.2	SARA TPQ:	NA NA
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	NA NA
15.5	Other Federal Requirements:	NA NA
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 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 (Flammable). WHMIS Class D2B (Materials Causing 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 sta
		criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substance 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), Pennsylvar Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). The product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. Further 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	DANGER! MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAY. CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. FLAMMABLE LIQUID AND VAPOR. Keep container away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly with soap and water after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/eye protection. Get medical help if you feel unwell. IF SWALLOWED: Get emergency medical help immediately. Do NOT include vomiting. IF ON SKIN: Take off immediately all contaminated clothing. Rinse affected areas with water, or shower. In case of fire: Use carbon dioxide, foam, low velocity water fog, Halon (if permitted), or dry chemical extinguisher to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. KEEP OUT OF REACH OF CHILDREN.					
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 containsuitability or completeness is not guaranteed an The information contained herein relates only to the second seco	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other applicability to this product. To the best of ShipMate's & Birchwood ined 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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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	American Conference on Governmental Industrial Hygienists	
IDLH	Immediately Dangerous to Life and Health	
NOHSC	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	
1	Slight Hazard	
2	Moderate Hazard	
3	3 Severe Hazard	
4	Extreme Hazard	



PERSONAL PROTECTION RATINGS:

Α		
В		
C		
D		
Е		
F		





OTHER STANDARD ABBREVIATIONS:

Irritant	
Not Available	
No Results	
Not Determined	
Not Established	
Not Found	
Self-Contained Breathing Apparatus	
Sensitization	
FOT RE Specific Target Organ Toxicity – Repeat Exposure	
Specific Target Organ Toxicity – Single Exposure	

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 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:

Minimal Hazard		FLAMMABILITY		
1	Slight Hazard	\		
2	Moderate Hazard	REACTIVITY		
3	Severe Hazard			
4	Extreme Hazard			
ACD	Acidic	\sim 1 \sim 2 \rightarrow		
ALK	Alkaline			
COR	Corrosive	/ ▼ ₩ У		
W	Use No Water	HEALTH 💉		
ОХ	Oxidizer	SPECIAL		
TREFOIL	Radioactive	PRECAUTIONS		

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			
TDio	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, TCo, LCio, & LCo				
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				
TC	Transport Canada				
EPA	U.S. Environmental Protection Agency				
DSL	Canadian Domestic Substance List				
NDSL	Canadian Non-Domestic Substance List				
PSL	SL Canadian Priority Substances List				
TSCA	TSCA U.S. Toxic Substance Control Act				
EU	U European Union (European Union Directive 67/548/EEC)				
WGK	Wassergefährdungsklassen (German Water Hazard Class)				

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

	(A)	(2)	(3)	\odot	(4)		(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

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

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