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

s SDS Revision: 1.1

SDS Revision Date: 10/25/2018

		1	. PRODUC			IDEI	NTIF		TION					
1.1	Product Name:	714	UNIVERSAL			NZ	<u>DIST</u>	RIBUT	OR		s 5 – 7	/ 408	The Fo	planade
1.2	Chemical Name:	NA							lington		<u>, </u>	7 400		planado
1.3	Synonyms:	40115, 401	25						holesal					
1.4	Trade Names:		versal Gun Grease						ntact: S		Collina	IS		
1.5	Product Use:	Lubricant G		•			00 30	•				/-		
1.6	Distributor's Name:						74 90							
			Birchwood Casey, LLC 3260 Winpark Drive, New Hope, MN., 55427 USA			Po	ison C	Control	0800 P	oiso	N (08 (00 764	766)	
1.7	Distributor's Address:									_			,	
1.8	Emergency Phone:		<mark>c +1 (800) 424-9</mark>	9300 / +1 (70	3) 527-3	887 or	Pois	son Co	ontrol	Cent	er +1	(866)	291-7	152
1.9	Business Phone / Fax:	+1 (952) 38	38-6717											
			2. HA	ZARDS I	DENT	IFIC/	ΑΤΙΟ	DN						
2.1	Hazard Identification:	This produ	ct is classified a	s a HAZARD	OUS SU	BSTAN	CE b	ut NO	Г as D	ANG	EROU	S GO	ODS a	ccording to th
		classification	on criteria of NOHS CAUSES EYE IR	SC: 1088 (2004										Ū
		<u>Classification</u>	on: Eye Irrit 2B											
2.2	Label Elements:	Hazard Sta	tements (H):H320	 Causes eye 	irritation.									
		several mir	<u>ary Statements</u> (F nutes. Remove co ation persist: Get	ntact lenses, il	f present a	and eas								
2.3	Other Warnings:		it of an exposure				s nroc	huct n		ontact	a nhi	sician	or loc:	al noison contr
		center, who	may seek advice	from the U.S.							a prij	ysician		
		2 (וחסמי									
		<u> </u>					INF					AIR (mg	a/m ³)	
						ACC	GIH		NOHSC			OSHA		
							-							
						pp	m		ppm			ppm		
						рр	m	ES-	ppm ES-	ES-		ppm		-
CHEM	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	pp TLV	m STEL	ES- TWA	ES-	ES- PEAK	PEL	ppm STEL	IDLH	OTHER
PETR	OLATUM (NON-	CAS No. 8009-03-8	RTECS No. SE6780000	EINECS No. 232-373-2	% 100				ES-		PEL NA		idlh NA	OTHER
PETR						TLV	STEL	TWA	ES- STEL	PEAK		STEL		OTHER
PETR	OLATUM (NON-		SE6780000	232-373-2	100	TLV NA	STEL NA	TWA NF	ES- STEL	PEAK		STEL		OTHER
PETR	OLATUM (NON- CINOGENIC)	8009-03-8	SE6780000	232-373-2 FIRST AI	100 D MEA		stel NA	TWA NF	ES- STEL	NF	NA	STEL NA	NA	
PETR	OLATUM (NON-		SE6780000 4. DO NOT INDL Control Center medical attenti	232-373-2 FIRST AI ICE VOMITIN or local eme on. If vomitin	100 D ME G. Conta rgency te	TLV NA ASUF Ict Pois	STEL NA RES son Cc e num	TWA NF ontrol C	ES- STEL I NF	NF NF 1 (86	NA 6) 29 [.] and ii	STEL NA 1-7152 nstruct	NA cor the	nearest Poiso Seek immedia
PETR	OLATUM (NON- CINOGENIC)	8009-03-8	SE6780000 4. DO NOT INDL Control Center	232-373-2 FIRST AI ICE VOMITIN or local eme on. If vomitin in. in the eyes, f s) open to ens	D MEA G. Conta rgency te g occurs flush eyes ure comp	TLV NA ASUF Ict Pois Iephone spontal thoroulete flus	STEL NA RES con Cc e num neous ughly v shing.	TWA NF ontrol C aber fo ly, kee with co If the	ES- STEL I NF Center 4 r assist p victim pious a	NF NF -1 (86 ance a's he moun	NA 6) 29 ⁻ and in ad low ts of v	STEL NA 1-7152 nstructi vered (water f	NA or the ions. (forwar	nearest Poise Seek immedia d) to reduce th east 15 minute
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PETR CARC	OLATUM (NON- CINOGENIC)	8009-03-8 Ingestion: Eyes: Skin: Inhalation:	SE6780000 4. DO NOT INDL Control Center medical attenti risk of aspiratio If product gets holding eyelid(use, consult a Remove conta the skin reactio has been prop Remove victim respiration. Se	232-373-2 FIRST AI ICE VOMITIN or local eme on. If vomitin in the eyes, f s) open to ens physician or er minated clothin on worsens, cc erly cleaned. n to fresh air sek immediate allowed, may	100 D MEA G. Conta rgency te g occurs lush eyes ure comp mergency ng and wa ntact a pl at once. medical a cause nau	TLV NA ASUF ASUF ASUF NA ASUF ASUF ASUF ASUF ASUF ASUF ASUF ASU	STEL NA RES con Cc e num neous ughly v shing. mmed acted a con immed acted a con immed acted a con cc e num neous	TWA NF NF ontrol C aber fo ly, kee with co If the iately. areas w ediately reme of ary gas	ES- STEL I NF Center +1 r assist p victim pious a eyes or vith soa /. Do no conditio	PEAK NF -1 (86 ance 's he mounn face p and ot wea ns, if tinal i	NA 6) 29 ⁻ and in ad low becon water r cont breat	STEL NA 1-7152 nstructivered (water f me swo . If dis taminat thing s	NA cor the ions. (forwar or at le ollen du comfor ted clor stops, p miting a	nearest Poise Seek immedia d) to reduce th east 15 minute rring or followir t persists and/ thing until after perform artifici and/or diarrhea
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PETR	OLATUM (NON- CINOGENIC) First Aid: Effects of Exposure:	8009-03-8 Ingestion: Eyes: Skin: Inhalation: Eyes: Skin: Ingestion: Eyes: Skin: Inhalation: Eyes: Skin: Inhalation: Eyes:	SE6780000 4. DO NOT INDL Control Center medical attenti risk of aspiratio If product gets holding eyelid(use, consult a Remove contai the skin reactio has been prop Remove victim respiration. Se If product is sw Moderately irrit watering. May be irritatin some sensitive None expected Redness, burn	232-373-2 FIRST AI VCE VOMITIN or local eme on. If vomitin in the eyes, f s) open to ens physician or er minated clothin on worsens, cc erly cleaned. to fresh air tek immediate allowed, may tating to the e g to skin. The individuals. ing, irritation, a ing, itching, rat	D MEA G. Conta rgency te g occurs lush eyes ure comp mergency ng and wa ntact a pl at once. <u>medical a</u> cause nau yes. Syn e product	TLV NA ASUF Inter Pois Idephone spontal sthorou Idete flus room in ash affe hysiciar Unde attentior usea, te hptoms can ca can ca	STEL NA RES con Cc e num neous ughly v shing. mmed acted a nimmed acted	TWA NF NF ontrol C bber fo ly, kee with co lf the iately. areas w ediately reme of ary gas erexpo illergic es.	ES- STEL I NF Center + r assist p victim pious a eyes or vith soal /. Do no conditio sure m skin rea	PEAK NF -1 (866 ance a's he moun face p and ot wea ns, if stinal i ay inc	NA 6) 29 and in ad lov ts of v becor r cont breat breat	STEL NA 1-7152 nstructivered (water f me swo . If dis taminat thing s on. Voi redness	NA cor the ions. (forwar or at le ollen du comfor ted clor ted clor stops, p miting a s, itchin	nearest Poiss Seek immedia d) to reduce th east 15 minute tring or followir t persists and/ thing until after perform artifici and/or diarrhea ng, irritation ar
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4.1 4.2	OLATUM (NON- CINOGENIC) First Aid: Effects of Exposure:	8009-03-8 Ingestion: Eyes: Skin: Inhalation: Skin: Inhalation: Skin: Inhalation: Skin: Inhalation: Skin: Inhalation: Moderate	SE6780000 4. DO NOT INDL Control Center medical attenti risk of aspiratic If product gets holding eyelid(use, consult a Remove contai the skin reactic has been prop Remove victim respiration. Se If product is sw Moderately irrit watering. May be irritatin some sensitive None expected Redness, burn Redness, burn Nausea, vomiti Coughing, whe irritation to eyes	232-373-2 FIRST AI ICE VOMITIN or local eme on. If vomitin in the eyes, f s) open to ens physician or er minated clothin on worsens, cc erly cleaned. the fresh air reak immediate allowed, may cating to the e g to skin. The individuals. ing, irritation, a ing, itching, ra- ng, severe abo ezing, swelling and skin nea	D MEA G. Conta rgency te g occurs ilush eyes ure comp mergency ng and wa ntact a pl at once. medical a cause nau yes. Syn e product and swellin sh, and so dominal p g of throat ar affected	TLV NA ASUF Ct Pois lephone spontal sthorou lete flus room in ash affe hysiciar Unde attentior usea, te hptoms can ca can ca ng arou caling o ain.	STEL NA RES con Cc e num neous ughly v shing. mmed ected a nimmed ected a nimmed a nimmed ected a nimmed ected a nimmed ected a nimmed ected a nimmed ected	TWA NF NF NF ontrol C bber fo ly, kee with co If the iately. areas w ediately reme of ary gas erexpo illergic es. skin (de mucous	ES- STEL I NF Center + r assist p victim pious a eyes or vith soa y. Do no conditio sure m skin rea	PEAK NF -1 (86 ance arce is he moun face p and ot wea ns, if tinal i atinal i action	NA 6) 299 and in ad lov ts of v becor r cont breat breat rritatic lude r s (e.g	STEL NA 1-7152 Instructivered (water f me swo thing s on. Voi redness ., rashe	NA or the ions. (forward or at le billen du comfor ted cloi stops, p miting a s, itchin es, wel	nearest Poiss Seek immedia d) to reduce th east 15 minute ring or followir t persists and/ thing until after perform artifici and/or diarrhea ng, irritation ar ts, dermatitis)
4.1 4.2	OLATUM (NON- CINOGENIC) First Aid: Effects of Exposure: Symptoms of Overexposure:	8009-03-8 Ingestion: Eyes: Skin: Inhalation: Eyes: Skin: Inhalation: Skin: Inhalation: Skin: Inhalation: Skin: Inhalation: Moderate drowsiness	SE6780000 4. DO NOT INDL Control Center medical attenti risk of aspiratio If product gets holding eyelid(use, consult a Remove contai the skin reactio has been prope Remove victim respiration. See If product is sw Moderately irrit watering. May be irritatin some sensitive None expected Redness, burn Redness, burn Nausea, vomiti Coughing, whe	232-373-2 FIRST AI VCE VOMITING or local eme on. If vomitin in the eyes, f s) open to ense physician or er minated clothin on worsens, ccc erly cleaned. to fresh air ek immediate allowed, may tating to the e g to skin. The individuals. I. ing, irritation, a ing, irritation, a ing, severe abo ezing, swelling and skin nea aches and nau	100 D ME A G. Contargency teg g occurs ilush eyes ure compresency ing and way intact a play at once. <u>medical a</u> cause national and yes. Syn e product and swelling sh, and so dominal p g of throat ar affecter sea.	TLV NA ASUF Ct Pois lephone spontal thorou- lete flus room in ash affe hysiciar Unde attention usea, te hptoms can ca can ca ng arou- caling o ain.	STEL NA RES con Co e num neous ughly v shing. mmed ected a nimmed ected a nimmed ected a nimmed ected a nimmed ause a and eye f the s on in r s. Ac	TWA NF NF NF NF NF NF NF NF NF NF NF NF NF	ES- STEL I NF Center + r assist p victim pious a eyes or vith soa y. Do no conditio sure m skin rea	PEAK NF -1 (86 ance arce is he moun face p and ot wea ns, if tinal i atinal i action	NA 6) 299 and in ad lov ts of v becor r cont breat breat rritatic lude r s (e.g	STEL NA 1-7152 Instructivered (water f me swo thing s on. Voi redness ., rashe	NA or the ions. (forward or at le billen du comfor ted cloi stops, p miting a s, itchin es, wel	nearest Poiss Seek immedia d) to reduce th east 15 minute ring or followir t persists and/ thing until after perform artifici and/or diarrhea ng, irritation ar ts, dermatitis)



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SDS Revision: 1.1

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61 Eyes, Skn, Respiratory System 62 Media Costine Agresonal D'Econier. Eyes, Skn, Respiratory System HEALTH PLANMABURY 63 Event Solation Agresonal D'Econier. Protective Econier. Protective Econier. 63 Fire S Econier. Fire Station floating temperatures to form toxic gases (e.g., CO, Co,). HEALTH Event Solation floating temperatures to form toxic gases (e.g., CO, Co,). 63 Fire S Econier floating float			4. FIRST A	AID M	EASU	RES –	cont'	d					
Aggineeds by Lopaure kidney function may be more susceptible to the effects of the substance. FLAMMABILITY PHYSICAL MAZARDS PROTECTVE EQUIPMENT EVES 1 The A Exposen Hourset: This product is on flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, Co). Image: Comparison Hourset: Image: Comparison Hourset: <t< td=""><td>4.6</td><td>Target Organs:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	4.6	Target Organs:											
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5.3 Freingeing Procedures: As with any fire, freingeing sproved or equivalent self-contained breating apparatus (SCAR) and protective colling. Treat as hot oil. Hazardous decomposition products may be released. Thermal degradation may produce oxides of cathon, and/or introgen, hydrocarbons and/or derivatives. Fire should be fought from a safe distance. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed distance. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed distance. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed distance. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed distance. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed distance with protect personal. Fifth fire upwich. Prevent numoff from fire control of diution from entering sewers, drains, dinking water supply, or any natural waterway. 6.1 Sulls: Before cleaning any spill or toket, individuals involved in spill cleanup must wear appropriate Personal Protective equipment (e.g., goggles, goggles, goggle, gogg	5.1	Fire & Explosion Hazards:				ed in a fir	e, this p	roduct ma	y decom	ipose at	high		
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Bellit: Before cleaning any spill or teak, individuals involved in spill cleanup must wear appropriate Personal Pre Equipment. CAUTION - may be slippery if spilled. Bern Small spills (e.g., < 1 galon (3.8 L)) wear appropriate clesed container(s) for disposal. Dispose of proper) in accordan local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm wa scap. Remove any containnated clothing galow and outside of container with plenty of warm wa scap. Remove any containnated clothing galow and outside of container with plenty of warm wa scap. Remove any containnated clothing galow and horoughly before reuse. For large spills (e.g., > 1 galon (3.8 L)), dery entry to all unprotected individuals. Dike and contain spill wi material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to contai recovery or disposal and solid diving material to separate containers for proper disposal. Remove contaminated promptly and wash affected skin areas with scap and water. Keep spills and cleaning runoffs out of municipal and open bodies of water. 7.1 Work & Hygere Practices: Avoid prolonged contact with the product. Avoid breathing vapors of this product. Use in a well-ventilated locatio local exhaust ventilation, fans). After use, wash hands and exposed skin with scap and water. Do not eat, containers should be handled with care. Store containers in a cool, dry location, away from dincompatible material scape Section 10). 7.3 Special Precutions: Open containers in avoid for product, therefore, enduiners should be handled with care. 8.1 Exposure Limits: per (mg/m) NA NA NA NA NA N	5.3	Firefighting Procedures:	approved or equivalent self-conta hot oil. Hazardous decomposition oxides of carbon, and/or nitrogen, distance. Keep containers cool u surfaces and to protect personal.	ined bre on produ hydroca until well Fight fi	athing ap licts may arbons an after the re upwing	paratus (S be releas d/or deriva fire is out d. Preven	SCBA) and ed. Ther atives. Find the Use water the second second the second second second second second second second second second the second second second second second second the second second second second second second second second second the second	nd protect mal degra re should l ater spray rom fire co	ive clothing adation reprint the fough of th	ing. Trea nay prod t from a s fire-expo	t as luce safe sed	3	0
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SAFETY DATA SHEET

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

SDS Revision: 1.1

SDS Revision Date: 10/25/2018

8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd 8.6 Body Protection: No apron required when handling small quantities. When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. 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. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	White opaque semi-solid
9.2	Odor:	Odorless
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:	204.44 °C (400 °F) OC
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	0.86
9.12	Solubility:	Insoluble
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:	NA

		10. STABILITY	& REACTIN	VITY				
10.1	Stability:	Relatively stable under ambient conditions w	Relatively stable under ambient conditions when stored properly.					
10.2	Hazardous Decomposition Products:		exposed to <u>extremely high temperatures</u> , products of thermal decomposition may include irritating vapors and toxic ases (e.g., metallic oxides, oxides of carbon & nitrogen).					
10.3	Hazardous Polymerization:	Will not occur.	- /					
10.4	Conditions to Avoid:	Exposure or contact to extreme temperature	s, incompatible che	emicals, strong light	sources, sparks, fla	ame.		
10.5	Incompatible Substances:	Strong oxidizers, peroxides or strong acids.						
		11. TOXICOLOGI	CAL INFORM	MATION				
11.1	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, is available for some of the components of the product and is not presented in this document.					
11.3	Acute Toxicity:	Moderate irritation to eyes and skin near affected areas.						
11.4	Chronic Toxicity:	This material may aggravate any pre-existing	This material may aggravate any pre-existing skin condition (e.g., dermatitis).					
11.5	Suspected Carcinogen:	No.						
11.6	Reproductive Toxicity:	This product is not reported to produce repro	oductive toxicity in	humans.				
	Mutagenicity:	This product is not reported to produce muta	agenic effects in hu	mans.				
	Embryotoxicity:	This product is not reported to produce emb	ryotoxic effects in h	numans.				
	Teratogenicity: This product is not reported to cause teratogenic effects in humans.							
	Reproductive Toxicity:	This product is not reported to cause reproduct	uctive effects in hu	mans.				
11.7	Irritancy of Product:	The product can cause allergic skin reaction	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.					
11.8	Biological Exposure Indices:	NE						
11.9	Physician Recommendations:	Treat symptomatically.						
		12. ECOLOGICA	AL INFORM					
12.1	Environmental Stability:	There are no specific data available for this		-				
12.2	Effects on Plants & Animals:	There are no specific data available for this						
12.3	Effects on Aquatic Life:	There are no specific data available for this	product.					



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SDS Revision: 1.1

SDS Revision Date: 10/25/2018

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: NA

14. TRANSPORTATION INFORMATION					
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 HSR002605						
15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, Section 313 reporting requirements.						
15.2	SARA TPQ:	here 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:	NA						
15.5	Other Federal Requirements:	NA						
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 Class D2B (Other Toxic Effects).						
15.7	State Regulatory Information:	Petrolatum (non-carcinogenic) is found on the following state criteria list: Pennsylvania Right to Know (PA), and New Jersey Right to Know (NJ). 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:	This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov						
		16. OTHER INFORMATION SW revised 30.12.2020						
16.1	Other Information:	WARNING! CAUSES EYE IRRITATION. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. IF IIN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persist: Get medical advice/attention. Store locked up. Store in a well-ventilated place. Keep cool. 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 & Birchwood Casey, LLC 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:	Birchwood Casey,LLC 3260 Winpark Drive New Hope, MN 55427 USA Tel: +1 (952) 388-6717 Email: customerservice@birchwoodcasey.com http://www.birchwoodCasey.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						



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

SDS Revision: 1.1

SDS Revision Date: 10/25/2018

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	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:

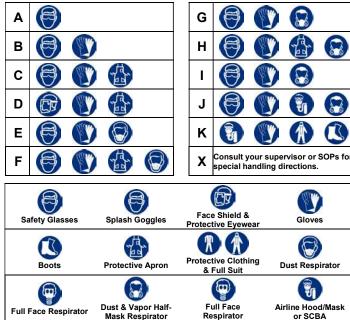
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

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:

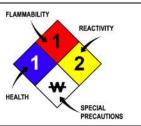
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	FLAMMABILITY LIMITS IN AIR:					
Autoignition	Autoignition Minimum temperature required to initiate combustion in air with no other source					
Temperature 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	HEA			
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 _{Io}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD ₁₀ , LD ₁₀ , & LD ₀ 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:

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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:

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