

Page 1 of 6 **BC-019**

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

SDS Revision: 2.1

1 4	Broduct Norres							ICA											
1.1	Product Name:	BLUE &	RUST RE	MOVER															
1.2	Chemical Name:	Acid Mixture																	
1.3	Synonyms:	16125																	
1.4	Trade Names:	Blue & Rust F	Remover																
1.5	Product Use:	Rust Remove	r																
1.6	Distributor's Name:	Birchwood Ca																	
1.7	Distributor's Address:		Drive, New Ho																
1.8	Emergency Phone:	ChemTrec -	<mark>⊦1 (800) 424-</mark>	9300 / +1 (7	03) 527-3	887 0	r Pois	son C	ontro	I Cent	ter +1	(866)	291-7	152					
1.9	Business Phone / Fax:	+1 (952) 388-	6717																
			2 11				A TIC												
2.1	Hazard Identification:			AZARDS															
2.1		[NOHSC: 108	is classified as 8 (2004)] and <i>I</i>	ADG Code (Au	ıstralia).			•	•		•								
			AUSES SEVE					AGE.	MAY	CAUS	E DR	OWSIN	NESS C	DR DIZZINES					
		_	SWALLOWE		-	-				D									
2.2	Label Elements:		Skin Corr. 1A;																
2.2	Laber Liements.		<u>ments</u> (H): H31 [.] dizziness. H3								o – Ma	ay caus	ie						
			/ Statements (F								hreat	ha mist	+	$\mathbf{\Lambda}$					
		P264 - Was	h with soap ar	nd water thore	oughly afte	er hand	dlina	P280	200 - - We:	ar prot	ective	aloves	s/	Pau					
														- Č					
												protective clothing/ eye protection/ face protection. P271 - Use only outdoors or in a well-							
ventilated area. P301+P330+P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.																			
														$\mathbf{\nabla}$					
		P303+P361+	ea. P301+P33 P353 – IF ON er [or shower].	SKIN (or hair)	: Take off	immed	liately	all cor	ntamina	ated cl	othing	. Rins	e	\mathbf{X}					
		P303+P361+ skin with wat	P353 – IF ON er [or shower].	SKIN (or hair) P363 – Wa	: Take off sh contam	immeo inated	liately clothii	all cor	ntamina ore us	ated cl e. P3	othing 04+P3	. Rins 840 – II	e F	X					
		P303+P361+ skin with wat INHALED: Re	P353 – IF ON er [or shower]. emove person	SKIN (or hair) P363 – Wa to fresh air ar	: Take off sh contam nd keep co	immeo inated omforta	liately clothii ble foi	all cor ng bef r breat	ntamina ore us hing.	ated cl e. P3 P310 -	othing 04+P3 – Imm	. Rins 840 – II ediatel	e F y	\bigwedge					
		P303+P361+ skin with wat INHALED: Re call a POIS	P353 – IF ON er [or shower]. emove person ON CENTER/c	SKIN (or hair) P363 – Wa to fresh air ar loctor. P321	: Take off sh contam nd keep co – Specif	immeo inated omforta fic trea	liately clothin ble for atment	all cor ng bef breat see	ntamina ore us hing. sectior	ated cl e. P3 P310 - n four	othing 04+P3 – Imm of thi	. Rins 340 – II ediatel is SDS	e F y S.	$\langle \cdot \rangle$					
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HEM VATE HOS ULF	ICAL NAME(S) ER (AQUA/EAU) SPHORIC ACID URIC ACID PYLENE GLYCOL	P303+P361+ skin with wat INHALED: R call a POIS0 P305+P351+ lenses, if pres Keep contain an approved In the event of center, who m KEEP OUT O 3. CO CAS No. 7732-18-5 7664-38-2 Skin Corr. 1B; 7664-93-9 Skin Corr. 1A; 107-98-2	P353 – IF ON er [or shower]. emove person DN CENTER/c P338 IF IN EY sent and easy t er tightly close waste disposal of an exposure hay seek advice F REACH OF DMPOSIT DMPOSIT TB6300000 H314 WS5600000 H314 UB7700000	SKIN (or hair) P363 – Wa to fresh air ar loctor. P321 ES: Rinse cal o do. Continue d. P405 – Ste plant. or medical in or medical in from the U.S CHILDREN. ION & IN EINECS No. 231-791-2 231-633-2 231-639-5	: Take off sh contam nd keep cc – Specif utiously wie e rinsing. F ore locked quiry invol- . manufact GREDI % 40-100	immec inated omforta ic trea th wate 2403+F up. P ving th turer, a ENT AC PF TLV NA	diately clothin ble for atment of for s 2233 – 501 - is proc nd sho INF GIH om STEL NA	all corng before breat see a several Store Dispose duct, p bow there bow the b	ntamina ore us hing. sectior minut in a w se of c lease m this MAT EXPO NOHSC ppm STEL NF	ated cl e. P3 P310 - four es. Re ell-ven ontents contac SDS. ION SURE L ES- PEAK NF	othing 04+P3 – Imm of thi emove tilated s/ cont t a phy IMITS IN PEL NA	. Rins 340 – II ediatel s SDS contac placec tainer tr ysician I AIR (mg OSHA ppm STEL NA	e F y S. tt d. o or loca						
HEM VATE VATE VOLF	ICAL NAME(S) ER (AQUA/EAU) SPHORIC ACID URIC ACID URIC ACID DYLENE GLYCOL OMETHYL ETHER OPYLENE GLYCOL	P303+P361+ skin with wat INHALED: R call a POIS0 P305+P351+ lenses, if pres Keep contain an approved In the event of center, who m KEEP OUT O 3. CO CAS No. 7732-18-5 7664-38-2 Skin Corr. 1B; 7664-93-9 Skin Corr. 1A; 107-98-2	P353 – IF ON er [or shower]. emove person DN CENTER/c P338 IF IN EY sent and easy t er tightly close waste disposal of an exposure hay seek advice F REACH OF DMPOSIT DMPOSIT RECS No. ZC0110000 TB6300000 H314 WS5600000 H314	SKIN (or hair) P363 – Wa to fresh air ar loctor. P321 ES: Rinse cal o do. Continue d. P405 – Ste plant. or medical in or medical in from the U.S CHILDREN. ION & IN EINECS No. 231-791-2 231-633-2 231-639-5	: Take off sh contam nd keep cc – Specif utiously wite e rinsing. F bore locked quiry involt . manufact GREDI % 40-100 20-40 3.0-13	immec inated omforta fic trea th wate P403+F up. P ving th turer, a ENT AC PF TLV NA	diately clothin ble for the for sp233 - 501 - is proc is proc	all corng before breat see a several store Dispose duct, p pow there we there we have the several store of the sev	ntamina ore us hing. sectior minut in a w se of c lease m this MAT EXPO NOHSC ppm ES- STEL NF 3 (2)	ated cl e. P3 P310 - four es. Re ell-ven ontents contac SDS. ION SURE L ES- PEAK NF NF	othing 04+P3 – Imm of thi emove tilated s/ cont t a phy IMITS IN PEL NA (1)	. Rins 340 – II ediatel is SDS contac placect iainer te ysician I AIR (mg OSHA ppm STEL NA NA	e F Y S. ct d. o or loca g/m ³) IDLH NA 1000 (15)						
CHEM VATE PHOS GULF	ICAL NAME(S) ER (AQUA/EAU) SPHORIC ACID URIC ACID PYLENE GLYCOL DMETHYL ETHER	P303+P361+ skin with wat INHALED: R call a POIS0 P305+P351+ lenses, if pres Keep contain an approved In the event of center, who m KEEP OUT O 3. CO CAS No. 7732-18-5 7664-38-2 Skin Corr. 1B; 7664-93-9 Skin Corr. 1A; 107-98-2 Flam. Liq. 3; S	P353 – IF ON er [or shower]. emove person DN CENTER/c P338 IF IN EY sent and easy t er tightly close waste disposal of an exposure hay seek advice F REACH OF DMPOSIT DMPOSIT TB6300000 H314 WS5600000 H314 UB7700000 TT SE 3; H226	SKIN (or hair) P363 – Wa to fresh air ar loctor. P321 ES: Rinse car o do. Continue d. P405 – Ste plant. or medical in or medical in from the U.S CHILDREN. ION & IN EINECS No. 231-791-2 231-633-2 231-639-5 203-539-1 5, H336	: Take off sh contam nd keep cc – Specif utiously wite e rinsing. F bore locked quiry involt . manufact GREDI % 40-100 20-40 3.0-13	immec inated omforta fic treat th wate P403+F up. P ving th turer, a ENT AC PF TLV NA (1) (0.2)	diately clothin ble for the for 233 – 501 - is proc nd sho INF GIH STEL NA (3) (2) (2)	all corng before breat see a several Store Dispose duct, pow there we have the several store duct, pow there we have the several store duct. The several store duct, pow t	Matamina ore us hing. sectior minut in a w se of c lease m this MAT EXPO NOHSC Ppm ES- STEL NF 3 (2)	eted cl e. P3 P310 - four es. Re ell-ven ontents contac SDS. ION SURE L ES- PEAK NF NF	othing 04+P3 – Imm of thi emove tilated s/ cont t a phy IMITS IN PEL NA NA (1) 100	. Rins 40 – II ediatel is SDS contac placect tainer to ysician I AIR (mg OSHA ppm STEL NA NA 150	e F y S. tt d. o or loca g/m ³) iDLH NA 1000 (15) NA						



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			4. FIRST AID MEASURES					
4.1	First Aid:	Ingestion:	DO NOT INDUCE VOMITING. Contact Poison Control C Control Center or local emergency telephone number fo medical attention. If vomiting occurs spontaneously, kee risk of aspiration.	r assistan	ice and instru	ctions. Seek i	immediate	
		<u>Eyes</u> :	If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, 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.					
		<u>Skin</u> :	Remove contaminated clothing and wash affected areas w the skin reaction worsens, contact a physician immediately has been properly cleaned.					
		Inhalation:	Remove victim to fresh air at once. Under extreme or respiration. Seek immediate medical attention.	conditions	, if breathing	stops, perform	n artificial	
4.2	Effects of Exposure:	<u>Eyes</u> : <u>Skin</u> : <u>Ingestion</u> : Inhalation:	Severe or permanent eye damage. Burns upon direct contact. Severe burns of mouth, throat, stomach. Severe irritation or burns in respiratory tract and mucous n	nembrane	s. Possible lu	ng damage.		
4.3	Symptoms of Overexposure:	<u>Eyes</u> : <u>Skin</u> : Ingestion: Inhalation:	Redness, burning, irritation, and swelling around eyes Redness, burning, itching, rash, blistering of skin. Nausea, vomiting, severe abdominal pain. Coughing, wheezing, swelling of throat, irritation in mucous	s membra	nes, difficulty l	breathing.		
4.4	Acute Health Effects:	May be harm	ful if inhaled. Material is extremely destructive to the tissue harmful if swallowed. Causes burns. May be harmful if abso	of the mu	cous membrar		espiratory	
4.5	Chronic Health Effects:	May damage	the nervous system, kidney and/or liver.					
4.6	Target Organs:		Respiratory System					
4.7	Medical Conditions Aggravated by Exposure:	organs (eyes	dermatitis, other skin conditions, and disorders of the target s, skin, respiratory system, liver, blood-forming organs) or ney function may be more susceptible to the effects of this	FLAM PHYS	MABILITY ICAL HAZA	-	3 1 0	
				EYES	ECTIVE EQ		H	
					JAIN	LUNGS		
			5. FIREFIGHTING MEASURES					
5.1	Fire & Explosion Hazards:		ble. May react with metals to release hydrogen gas, which intensity fire; oxidizer.	can form	n explosive mi	ixtures		
5.2	Extinguishing Methods:	Use fire-extir	nguishing media appropriate for surrounding materials.					
5.3	Firefighting Procedures:	approved or as for surro degradation and/or deriva fire is out.	fire, firefighters should wear appropriate protective equipm equivalent self-contained breathing apparatus (SCBA) and bunding materials. Hazardous decomposition products may produce oxides of carbon, phosphorous, selenium a trives. Fire should be fought from a safe distance. Keep cor lse water spray to cool fire-exposed surfaces and to protect ff from fire control or dilution from entering sewers, drains, way.	protective may be ind/or nitr itainers co it persona	e clothing. Figh released. Th ogen, hydroca ool until well af I. Fight fire u	ht fires hermal arbons iter the pwind.		
			6. ACCIDENTAL RELEASE MEASUR	ES				
6.1	Spills:	Equipment (I apron, boots <u>Small Spills</u> : inert material <u>Large Spills</u> : or release. I done with m Recover as	ing any spill or leak, individuals involved in spill clean PPE). Use safety glasses or safety goggles and face shield , etc.) to prevent skin contact. Wear appropriate protective equipment including gloves and such as vermiculite or sand to soak up the product and place Keep incompatible materials (e.g., organics such as oil) a solate immediate hazard area and keep unauthorized perso inimal risk. Wear appropriate protective equipment includ much free liquid as possible and collect in acid-resistant co liquid directly into a sewer or surface waters.	d; use glo nd protect ce into a c way from nnel out c ing respir	ves and other tive eyewear. container for la spill. Stay up of area. Stop s atory protectio	r protective cloth Use a non-conter disposal. wind and away spill or release ion as conditions	hing (e.g., mbustible, r from spill if it can be s warrant.	



10.5

Incompatible Substances:

materials, and most metals.

SAFETY DATA SHEET

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		7. HANDLING									
7.1	Work & Hygiene Practices:	Avoid breathing mists or spray. Avoid breathing mists or spray. Avoid the reach of children. Do not expose to heat and flame. Use of decontaminate any spills or residu	at, drink o only in ve	or smoke	when han	dling this	s product.	Wash th	oroughly	after ha	ndling. Do no
7.2	Storage & Handling:	Use and store in a cool, dry, we sunlight. Store in acid-resistant c (120 °F). Keep away from incomp	ell-ventilat ontainers	. Keep o	containers	covered	when not i	in use. A	void tem	peratures	s above 40 °
7.3	Special Precautions:	Empty containers may retain haza				uon 10).		maners	nom priy.		age.
-					10000.						
		8. EXPOSURE CONT	ROIS	\$ & PF	RSON		ROTE	TION			
3.1	Exposure Limits:			GIH		NOHSC			OSHA		OTHER
	ppm (mg/m ³)					ES-	ES-				
			TLV	STEL	ES-TWA	STEL	PEAK	PEL	STEL	IDLH	
		PHOSPHORIC ACID SULFURIC ACID	(1)	(3)	1 (1)	3 (2)	NF NF	NA (1)	NA NA	1000 (500)	
		PROPYLENE GLYCOL								· · · ·	
		MONOMETHYL ETHER	100	150	100	NF	NF	100	150	NA	
			100	150	50	308	NF	100	NA	600	
		MONOMETHYL ETHER OXALIC ACID	(1)	(2)	(1)	(2)	NF	(1)	NA	(500)	
8.2	Ventilation & Engineering	General mechanical (e.g., fans)									al or gener
	Controls:	exhaust ventilation to effectively									
		product. Ensure appropriate decc									
8.3	Respiratory Protection:	In instances where vapors or spra									
		use only protection authorized by									
		CAS Standard Z94.4-93 and ap	plicable	standard	ls of Cana	adian Pr	ovinces, E	EC meml	ber State	es, or	<u>6.6</u>
3.4	Eye Protection:	Australia.			Is a seller .			-hist A.			
5.4	Eye Protection:	Safety glasses with side shields r shield is also recommended.	must be i	used whe	en handling	g or usin	ig this pro	duct. A	protective	e face	
8.5	Hand Protection:	shield is also recontinended.									
		Wear protective, chemical-resistar	nt gloves	(e.g., ne	oprene) wł	nen using	g or handli	ng this pr	oduct.		
8.6	Body Protection:	A chemical resistant apron and/c product.	or protect	ive cloth	ing are re	commen	ded when	handling	g or usin	g this	
		•••									
		9. PHYSICAL	& CH	EMIC	AL PRO	OPER	TIES				
9.1	Appearance:	Clear light green liquid									
9.2	Odor:	Slight ethereal odor									
9.3	Odor Threshold:	NĂ									
9.4	pH:	< 1									
9.5	Melting Point/Freezing Point:	NA									
9.6	Initial Boiling Point/Boiling	103 °C (218 °F)									
9.7	Range: Flashpoint:										
9.8	Upper/Lower Flammability	100 °C (212 °F)									
	Limits:	NA									
9.9	Vapor Pressure:	NA									
9.10	Vapor Density:	NA									
9.11	Relative Density:	1.209									
9.12	Solubility:	Complete									
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. STA	BILIT	Y & R	EACTI	VITY					
10.1	Stability:	Stable at normal temperatures.									
10.2	Hazardous Decomposition Products:	Reaction with organics and stro decomposition may produce seler									nide. Therma
10.3	Hazardous Polymerization:	Will not occur.		- · ·			i		-	2	
10.4	Conditions to Avoid:	Excessive heat.									
10.5	Incompatible Substances:										

Cyanides, water-reactive substances, strong reducing agents, chlorinated cleaners or sanitizers, combustible organic



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		11. TOXICOLOGICAL INFORMATION	
11.1	Routes of Entry:		gestion: YES
11.2	Toxicity Data:		gestion: YES
11.3	Acute Toxicity:	Phosphoric Acid: LD ₅₀ (oral, rat) = 1,530 mg/kg; <u>Oxalic Acid</u> : LD ₅₀ (oral, rat) = 375 mg/kg	
11.3	Chronic Toxicity:	See Section 4.4 See Section 4.5	
11.5	Suspected Carcinogen:		
11.6	Reproductive Toxicity:	Sulfuric Acid (as a mist) is listed as IARC Group 1 (Carcinogenic to humans)	
11.0	Mutagenicity:	This product is not reported to cause reproductive toxicity in humans.	
	Embryotoxicity:	This product is not reported to produce mutagenic effects in humans.	
	Teratogenicity:	This product is not reported to produce embryotoxic effects in humans. This product contains nickel sulfate, which is reported to cause teratogenic effects in humans.	
	Reproductive Toxicity:		
11.7	Irritancy of Product:	This product is not reported to cause reproductive effects in humans.	
11.8	Biological Exposure Indices:	See Section 4.3	
11.0	Physician Recommendations:	NE Tract and the line line line line line line line lin	
11.9	Physician Recommendations.	Treat symptomatically.	
		12. ECOLOGICAL INFORMATION	
12.1	Environmental Stability:	There are no specific data available for this product.	
12.2	Effects on Plants & Animals:	There are no specific data available for this product.	
12.3	Effects on Aquatic Life:	Very toxic to aquatic life with long lasting effects. Phosphoric Acid: EC ₅₀ (Daphnia Magna,	12h) = 4.6 ma/L: Sulfuric
		Acid: LC ₅₀ (Brachydanio rerio, 96h): > 500 mg/L, EC ₅₀ (Daphnia Magna, 48h): 29 mg/L; Oxa	lic Acid: LC ₅₀ (Leuciscuc
		idus Melanotus, 48h) – 160 mg/L; Oxalic Acid: EC50 (Daphnia Magna, 48h) – 162.2 mg/L	
		13. DISPOSAL CONSIDERATIONS	
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine curre	ent status and appropriate
		disposal method for the ingredients listed in Section 2. Any disposal practice must be in complia	
		federal laws and regulations. Contact the appropriate agency for specific information. Treatme	nt, transport, storage and
13.2	Special Considerations:	disposal of hazardous waste must be provided by a licensed facility or waste hauler.	
13.2	Special Considerations:	U.S. EPA Hazardous Waste – Characteristic - Corrosive (D002), Characteristic - Toxic (D010)	
	basic description (ID Number, be required by 49 CFR, IATA/	14. TRANSPORTATION INFORMATION proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Add ICAO_IMPG and the CTDCR	itional descriptive information
14.1	49 CFR (GND):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID,	
		SULFURIC ACID), 8, II, LTD QTY (IP VOL ≤ 1.0 L)	\diamond
14.2	IATA (AIR)*:	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, SULFURIC ACID), 8, II, LTD QTY (IP VOL \leq 0.1 L)	E
14.3	IMDG (OCN):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, SULFURIC ACID), 8, II, LTD QTY (IP VOL \leq 1.0 L)	\diamond
14.4	TDGR (Canadian GND):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, SULFURIC ACID), 8, II, LTD QTY (IP VOL \leq 1.0 L)	\diamond
14.5	ADR/RID (EU):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, SULFURIC ACID), 8, II, LTD QTY (IP VOL \leq 1.0 L)	\diamond
14.6	SCT (MEXICO):	UN3264, LIQUIDOS, CORROSIVOS, ACIDO, INORGANICO, N.E.P. (ACIDO FOSFORICO, ACIDO SULFURICO), 8, II, CANTIDAD LIMITADA (IP VOL \leq 1.0 L)	\diamond
14.7	ADGR (AUS):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (HOSPHORIC ACID, SULFURIC ACID), 8, II, LTD QTY (IP VOL \leq 1.0 L)	\diamond
14.8	EXCEPTED QUANTITY	This product may also be shipped as an Excepted Quantity (Inner Package Volume ≤ 30 mL, Total Quantity ≤ 500 mL per Outer Package)	O
	1	15. REGULATORY INFORMATION	Inpuniinteel
		13. REGULATORT INFORMATION	
15.1	SARA Reporting Requirements:	This product contains Phosphoric Acid and Sulfuric Acid, substances subject to SARA Title	III, Section 313 reporting
15.1 15.2	SARA Reporting Requirements:	This product contains <u>Phosphoric Acid</u> and <u>Sulfuric Acid</u> , substances subject to SARA Title requirements.	III, Section 313 reporting
15.2	SARA TPQ:	This product contains Phosphoric Acid and Sulfuric Acid, substances subject to SARA Title requirements. Sulfuric Acid: 454 kg (1,000 lbs)	III, Section 313 reporting
15.2 15.3	SARA TPQ: TSCA Inventory Status:	Sulfuric Acid Sulfuric Acid<	III, Section 313 reporting
15.2	SARA TPQ:	This product contains Phosphoric Acid and Sulfuric Acid, substances subject to SARA Title requirements. Sulfuric Acid: 454 kg (1,000 lbs)	III, Section 313 reporting



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		15. REGULATORY INFORMATION – cont'd
15.7	State Regulatory Information:	Phosphoric Acid is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN) and Pennsylvania Right-to-Know List (PA) Sulfuric Acid is found on the following state criteria list: FL, MA, MN, NJ, PA and WA. Propylene Glycol Monomethyl Ether is found on the following state criteria lists: FL, MA, MN, NJ, PA, and WA. Oxalic Acid is found on the following state criteria lists: FL, MA, MN, NJ, PA, and 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).
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
16.1	Other Information:	DANGER! CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. MAY CAUSE DROWSINESS OR DIZZINESS. HARMFUL IF SWALLOWED OR IN CONTACT WITH SKIN. Use only as directed. Keep container tightly closed. Do not breathe mist. Wash with soap and water thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. Use only outdoors or in a well-ventilated area. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before use. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in a well-ventilated placed. Keep container tightly closed. 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 & 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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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:

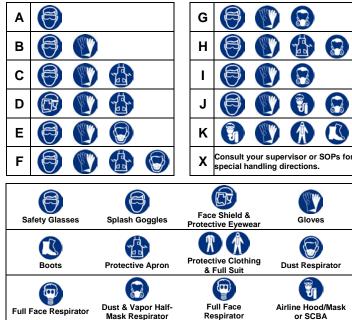
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

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:

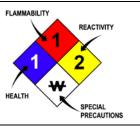
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA	
FLAMMABILITY LIMITS IN AIR:	

inimum temperature required to initiate combustion in air with no other source							
nat will							
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n							

HAZARD RATINGS:

0	Minimal Hazard	FL
1	Slight Hazard	FL
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/
₩	Use No Water	HE
ох	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}	TD _{Io} 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 _{lo} , & 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 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:

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