

Page 1 of 6 **BTI-012** 

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision: 3.0 SDS Revision Date: 2/13/2022

		1.	<b>PRODUC</b>	I & COIVI			14 1 11	IUA		N .				
1.1	Product Name:	SAFE PI	REP®											
1.2	Chemical Name:	Oxalic Acid S	Solution											
1.3	Synonyms:	600051, 600058, 600050												
1.4	Trade Names:	Safe Prep® S	Surface Condition	ner										
1.5	Product Use:	Primer for Pr	esto Black® Pro	cess										
1.6	Distributor's Name:	Birchwood La	aboratories LLC											
1.7	Distributor's Address:	7900 Fuller F	Road, Eden Prai	rie, MN 55344	USA									
1.8	Emergency Phone:	ChemTrec	+1 (800) 424-	9300 / +1 (70	3) 527-3	<b>887</b> o	r Pois	on C	ontro	l Cent	ter +1	1 (855	) 281-1	742
1.9	Business Phone / Fax:	+1 (952) 937	7-7900 / +1 (952	) 937-7979										
			2. HA	ZARDS	DENT	IFIC	ATIC	ON						
2.1	Hazard Identification:	Prepared in	accordance with						nded 1	o com	w vla	ith OSI	HA 29 C	CFR 1910.1200
			HMIS and Austra											
			HARMFUL IF S				T WIT	н ѕкі	N. CA	<b>USES</b>	SERI	OUS E	YE IRRI	TATION.
		Classification	: Acute Tox. (oral)	4; Acute Tox. (d	dermal) 4; E	Eye Irrit	1							
2.2	Label Elements:		ements (H): H30	2+H312 – Har	mful if sw	allowed	d or in	contac	t with :	skin. H	319 –	Cause	es	
		serious eye i												
			<u>y Statements</u> (F											
			drink, or smoke											
			protection/face . P302+P352 –											
			. P302+P332 = P351+P338 - IF											<b>\</b> • /
			es, if present an											
			help. P321 – S											Ť
			taminated clothi											
			eatment, storage											
2.3	Other Warnings:	Obtain instru	ction before use	e. Do not use u	until all sa	fety pre	ecautio	ons ha	ve bee	n read	and	unders	tood. In	the event of a
				Obtain instruction before use. Do not use until all safety precautions have been read and understood. In the event of an exposure or medical inquiry involving this product, please contact a physician or local poison control center, who may seek										
			ncaicai inquiry ii	nvoiving this pi	roduct, ple	ease co	ontact a	a pnysi	cıan o	local	poisoi	n contro	oi centei	, ,
			he U.S. manufa					a pnysi	cian o	iocai	poisoi	n contro	oi centei	,
		advice from t		cturer, and sho				a pnysi	cian o	riocai	poisoi	n contro	oi centei	
		advice from t	he U.S. manufa DF REACH OF (	cturer, and sho	ow them t	his SDS	S.				poisor	n contro	oi centei	
		advice from t	he U.S. manufa	cturer, and sho	ow them t	his SDS	S.				poisor	n contro	oi centei	
		advice from t	he U.S. manufa DF REACH OF (	cturer, and sho	ow them t	ENT	S.		<b>//AT</b>	ION SURE L		N AIR (m	ıg/m³)	,
		advice from t	he U.S. manufa DF REACH OF (	cturer, and sho	ow them t	ENT	S.		MAT EXPO NOHSC	ION SURE L		N AIR (m OSHA	ng/m³)	, ,
		advice from t	he U.S. manufa DF REACH OF (	cturer, and sho	ow them t	ENT	S.	ORI	MAT EXPO NOHSC ppm	ION SURE L		N AIR (m	ng/m³)	, , , , , , , , , , , , , , , , , , , ,
CHEMI	CAL NAME(S)	3. C	he U.S. manufa OF REACH OF OMPOSIT	cturer, and sho	GREDI	ENT	INF	ORI	MAT EXPO NOHSC ppm ES-	ION SURE L	IMITS II	N AIR (m OSHA ppm	g/m³)	
	CAL NAME(S)	advice from t	he U.S. manufa DF REACH OF (	cturer, and sho	ow them t	ENT	S. INF	ORI	MAT EXPO NOHSC ppm	ION SURE L		N AIR (m OSHA	ng/m³)	OTHER
<u>CHEMI</u> WATE	•	3. C	DE U.S. manufa DE REACH OF OMPOSIT	CHILDREN.  ON & INC  EINECS No.	GREDI	ENT  AC  PR	INF GIH om STEL	ES- TWA	EXPO NOHSC ppm ES- STEL	SURE L ES- PEAK	IMITS II	N AIR (m OSHA ppm STEL	g/m³)	
WATE	ER	3. C	DE U.S. manufa DE REACH OF OMPOSIT	CHILDREN.  ON & INC  EINECS No.	GREDI	ENT  AC  PR	INF GIH om STEL	ES- TWA	EXPO NOHSC ppm ES- STEL	SURE L ES- PEAK	IMITS II	N AIR (m OSHA ppm STEL	g/m³)	
WATE	•	3. C  CAS No.  7332-18-5	OMPOSITION RIECS No.	EINECS No. 231-791-2 205-634-3	% 60-100 7-13	ENT AC PP TLV NE	SINF GIH DIM STEL NE	ES- TWA NF	ES- STEL	SURE L  ES- PEAK  NF	PEL NE	N AIR (m OSHA ppm STEL NE	g/m³) A IDLH NE	
WATE	ER	3. C  CAS No.  7332-18-5	RTECS No. ZC0110000  RO2450000  RO2450000  RO2450000	EINECS No. 231-791-2 205-634-3 (dermal) 4; H302	% 60-100 7-13 2, H312	ENT AC PP TLV NE	GIH om STEL NE	ES- TWA NF	ES- STEL	SURE L  ES- PEAK  NF	PEL NE	N AIR (m OSHA ppm STEL NE	g/m³) A IDLH NE	
WATE	ER	advice from to KEEP OUT (  3. C  CAS No.  7332-18-5  144-62-7  Acute Tox. (c)	PREACH OF OMPOSITION OF REACH OF OMPOSITION OF THE CONTROL OF THE	CHILDREN.  ON & INC  EINECS No. 231-791-2  205-634-3 (dermal) 4; H302	% 60-100 7-13 2, H312	ENT AC PP TLV NE (1)	GIH STEL NE (2)	ES- TWA NF	ES- STEL NF	SURE L  ES- PEAK  NF	PEL NE	N AIR (m OSHA ppm STEL NE	ig/m³)	OTHER
WATE OXAL	IC ACID	3. C  CAS No.  7332-18-5	RTECS No. ZC0110000  RO2450000  Oral) 4; Acute Tox.  DO NOT INDU	EINECS No. 231-791-2 205-634-3 (dermal) 4; H300	% 60-100  7-13 2, H312  D ME/ G. Contact	ENT AC PR TLV NE (1)	GIH OM STEL NE (2)  RES yCall +	ES- TWA NF (1)	ES- STEL NF	SURE L ES- PEAK NF NF	PEL NE (1)	N AIR (m OSHA ppm STEL NE NA	iDLH NE (500)	OTHER  Control Center
WATE OXAL	IC ACID	advice from to KEEP OUT (  3. C  CAS No.  7332-18-5  144-62-7  Acute Tox. (c)	RTECS No. ZC0110000  RO2450000  Oral) 4; Acute Tox.  DO NOT INDU	EINECS No. 231-791-2  205-634-3 (dermal) 4; H300  FIRST AI ICE VOMITING ency telephon	% 60-100  7-13 2, H312  D ME/ G. Contace number	ENT  AC  PP  TLV  NE  (1)  t Safety for ass	S.  INF  GIH  DIM  STEL  NE  (2)  RES  yCall + sistance	ES- TWA NF (1)	MAT EXPO NOHSC ppm ES- STEL NF (2)	ES-PEAK NF NF 1742 octions.	PEL NE (1)	N AIR (m OSHA ppm STEL NE NA	IDLH NE (500)	OTHER  Control Centeredical attention
WATE OXAL	IC ACID	advice from to KEEP OUT (  3. C  CAS No.  7332-18-5  144-62-7  Acute Tox. (c)	RTECS No. ZC0110000  RO2450000  RO2450000  RO2450000  DO NOT INDL or local emerg If vomiting occ If product gets	EINECS No. 231-791-2  205-634-3 (dermal) 4; H302  FIRST AI ICE VOMITING ency telephon urs spontaneo in the eyes, 1	% 60-100 7-13 2, H312  D ME/ G. Contace e number usly, keep flush eyes	AC PR TLV NE (1)  ASUI t Safety for asso ovictimes thorous tho	S.  INF  GIH  DM  STEL  NE  (2)  RES  y/Call ++ sistance i's head ughly w	ES-TWA NF (1)  1 (855) as and d lowe with co	PAT  EXPO NOHSC ppm ES- STEL NF  (2)  ) 281- instructed (for pious	ES-PEAK NF NF 1742 octions.rward)	PEL NE (1) Seek to recotts of	N AIR (m OSHA ppm STEL NE NA	IDLH NE (500)  t Poison diate me erisk of for at lea	OTHER  Control Center edical attention faspiration. ast 15 minutes
WATE OXAL	IC ACID	advice from t KEEP OUT (  3. C  CAS No.  7332-18-5  144-62-7  Acute Tox. (c)  Ingestion:	RTECS No.  ZC0110000  RO2450000  RO2450000  DO NOT INDU or local emerg if vomiting occ if product gets holding eyelid(	EINECS No. 231-791-2  205-634-3 (dermal) 4; H302  FIRST AI ICE VOMITING ency telephon urs spontaneo in the eyes, 1 s) open to ens	% 60-100  7-13 2, H312  D ME/ G. Contace e number usly, keep flush eyes sure comp	ACUIT TLV  NE  (1)  ASUIT Safety for asing a thorous lette fluid the safety for a single the safety for a single the safety for a single the safety fluid the safety for a single the safety fluid the safety flui	S.  INF GIH DOM STEL NE (2) (2)  RES yCall ++ sistance 's hear ughly v shing.	ES-TWA NF (1) 11 (855) 12 e and d lowe with co	PAT  EXPO NOHSC ppm ES- STEL NF  (2)  ) 281- instructed (for pious	ES-PEAK NF NF 1742 octions.rward)	PEL NE (1) Seek to recotts of	N AIR (m OSHA ppm STEL NE NA	IDLH NE (500)  t Poison diate me erisk of for at lea	OTHER  Control Center edical attention faspiration. ast 15 minutes
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WATE OXAL	IC ACID	advice from t KEEP OUT (  3. C  CAS No.  7332-18-5  144-62-7  Acute Tox. (c)  Ingestion:	RTECS No.  ZC0110000  RO2450000  RO2450000  DO NOT INDU or local emerg If vomiting occ If product gets holding eyelid( use, consult a Remove conta	EINECS No.  231-791-2  205-634-3 (dermal) 4; H302  FIRST AI ICE VOMITING eurs spontaneo in the eyes, 1 s) open to ens physician or e minated clothi	% 60-100 7-13 2, H312 D ME/ G. Contace number usly, keep flush eyes sure compencying and was a second company and was a second compension.	AC PR TLV NE (1)  ASUIT A SAFETY OF CONTROL	S.  GIH  STEL  NE  (2)  RES  YCall + teststand y's head ughly with the shing. immediated a decrease a second secon	ES-TWA NF (1)  1 (855) the and do lowe with could lowe with could lowe with could reas when the country is the country in the	PAT  EXPO NOHSC  ppm ES- STEL  NF  (2)  ) 281- instruct red (for pious eyes continuous eyes eyes continuous eyes continuous eyes continuous eyes continuous eyes continuous eyes continuous eyes eyes eyes eyes eyes eyes eyes ey	ES-PEAK NF NF 1742 o ottions. rward) amound face	PEL (1)  The results of become water	N AIR (m OSHA ppm STEL NE NA NA neares c imme duce th water f me swo	IDLH NE (500)  t Poison diate me for at leadler dure to the comfort dure to the comfor	Control Center edical attention f aspiration. ast 15 minutes ring or following persists and/or
WATE OXAL	IC ACID	23. C  CAS No.  7332-18-5  144-62-7  Acute Tox. (c)  Ingestion:  Eyes:	RTECS No.  ZC0110000  RO2450000  RO2450000  Tal) 4; Acute Tox.  DO NOT INDUcor local emerg If vomiting occ If product gets holding eyelid(use, consult a Remove contathe skin reactions.	EINECS No.  231-791-2  205-634-3 (dermal) 4; H302  FIRST AI  CE VOMITING eurs spontaneo in the eyes, 1 s) open to ens physician or e minated clothi on worsens, co	% 60-100 7-13 2, H312 D ME/ G. Contace number usly, keep flush eyes sure compencying and was a second company and was a second compension.	AC PR TLV NE (1)  ASUIT A SAFETY OF CONTROL	S.  GIH  STEL  NE  (2)  RES  YCall + teststand y's head ughly with the shing. immediated a decrease a second secon	ES-TWA NF (1)  1 (855) the and do lowe with could lowe with could lowe with could reas when the country is the country in the	PAT  EXPO NOHSC  ppm ES- STEL  NF  (2)  ) 281- instruct red (for pious eyes continuous eyes eyes continuous eyes continuous eyes continuous eyes continuous eyes continuous eyes continuous eyes eyes eyes eyes eyes eyes eyes ey	ES-PEAK NF NF 1742 o ottions. rward) amound face	PEL (1)  The results of become water	N AIR (m OSHA ppm STEL NE NA NA neares c imme duce th water f me swo	IDLH NE (500)  t Poison diate me for at leadler dure to the comfort dure to the comfor	Control Center edical attention faspiration. ast 15 minutes ring or following persists and/or
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WATE OXAL	IC ACID	23. C  CAS No. 7332-18-5  144-62-7 Acute Tox. (c)  Ingestion:  Eyes:  Skin:	RTECS No.  ZC0110000  RO2450000  RO2450000  RO2450000  DO NOT INDL or local emerg If vomiting occ If product gets holding eyelid( use, consult a Remove conta the skin reactic has been prop Remove victim Seek immedia Severe burns of	EINECS No. 231-791-2  205-634-3 (dermal) 4; H302  FIRST AI ICE VOMITING ency telephon urs spontaneo in the eyes, 1 s) open to ensphysician or eminated clothin worsens, coerly cleaned. It of resh air at the medical attes of mouth, throat	% 60-100  7-13 2, H312  D ME/ G. Contace number usly, keep flush eyes sure compared and was on the contact and store	TLV NE  (1)  ASUI  (1)  (2)  (3)  (4)  (4)  (5)  (6)  (6)  (7)  (7)  (7)  (8)  (8)  (9)  (9)  (9)  (9)  (9)  (9	RES (2)  RES (2)  RES (2)  RES (2)  RES (3) hea aughly vishing. immed acted a an immediate reme corpossible.	ES-TWA NF (1)  1 (855) and down with confit the interest we diately on ditional symmetric symmet	MAT EXPO NOHSC ppm ES- STEL NF (2) ) 281- instructed (for pious eyes continuous eyes eyes continuous eyes continuous eyes eyes continuous eyes eyes eyes eyes eyes eyes eyes ey	ES-PEAK NF NF NF amount or face ap and oot wear	PEL (1)  PEL (1)  Or the I Seek to receive of become water con ag stop	N AIR (m OSHA ppm STEL NE NA NA Neares c immeduce th water to me swo	IDLH NE (500)  t Poison diate me risk of for at leadlen dure dure ted clother ted clother artificial form artificial form artification.	OTHER  Control Center edical attention faspiration. ast 15 minutes ring or following persists and/or hing until after it ficial respiration
OXAL	IC ACID  First Aid:	CAS No. 7332-18-5 144-62-7 Acute Tox. (c) Ingestion: Eyes: Skin: Inhalation: Ingestion:	RTECS No.  ZC0110000  RO2450000  RO24500000  RO2450000  RO24500000  RO24500000  RO245000000  RO24500000  RO24500000  RO24500000  RO24500000  RO245000000	EINECS No. 231-791-2  205-634-3 (dermal) 4; H302  FIRST AI  ICE VOMITING ency telephon urs spontaneo in the eyes, 1 s) open to ens physician or e minated clothi on worsens, co erly cleaned. to fresh air at of the medical atte- of mouth, throa se damage to le se damage to le	% 60-100  7-13 2, H312  D ME/ G. Contace number usly, keep flush eyes sure compand was portact a plushed to be contact and stockidneys, respectively.	TLV NE  (1)  ASUI  (1)  (2)  (3)  (4)  (4)  (5)  (6)  (6)  (7)  (7)  (7)  (8)  (8)  (9)  (9)  (9)  (9)  (9)  (9	RES (2)  RES (2)  RES (2)  RES (2)  RES (3) hea aughly vishing. immed acted a an immediate reme corpossible.	ES-TWA NF (1)  1 (855) and down with confit the interest we diately on ditional symmetric symmet	MAT EXPO NOHSC ppm ES- STEL NF (2) ) 281- instructed (for pious eyes continuous eyes eyes continuous eyes continuous eyes eyes continuous eyes eyes eyes eyes eyes eyes eyes ey	ES-PEAK NF NF NF amount or face ap and oot wear	PEL (1)  PEL (1)  Or the I Seek to receive of become water con ag stop	N AIR (m OSHA ppm STEL NE NA NA Neares c immeduce th water to me swo	IDLH NE (500)  t Poison diate me risk of for at leadlen dure dure ted clother ted clother artificial form artificial form artification.	OTHER  Control Center edical attention faspiration. ast 15 minutes ring or following persists and/or hing until after it ficial respiration
OXAL	IC ACID  First Aid:	2 advice from to KEEP OUT (  3. C  CAS No.  7332-18-5  144-62-7  Acute Tox. (c)  Ingestion:  Eyes:  Skin:  Inhalation:	RTECS No.  ZC0110000  RO2450000  RO24500000  RO2450000  RO24500000  RO2450000  RO24500000  RO2450000  RO245000000  RO24500000  RO24500000  RO24500000  RO24500000  RO245000000	EINECS No.  231-791-2  205-634-3 (dermal) 4; H302  FIRST AI ICE VOMITING ency telephon urs spontaneo in the eyes, 1 s) open to ensphysician or eminated clothion worsens, cerly cleaned. The fresh air at the medical attest of mouth, throase damage to be manent eye da	% 60-100  7-13 2, H312  D ME/ 6. Contace number usly, keep flush eyes sure compand was ontact a plushed to be contact and stockidneys, rimage.	TLV NE  (1)  ASUI  (1)  (2)  (3)  (4)  (4)  (5)  (6)  (6)  (7)  (7)  (7)  (8)  (8)  (9)  (9)  (9)  (9)  (9)  (9	RES (2)  RES (2)  RES (2)  RES (2)  RES (3) hea aughly vishing. immed acted a an immediate reme corpossible.	ES-TWA NF (1)  1 (855) and down with confit the interest we diately on ditional symmetric symmet	MAT EXPO NOHSC ppm ES- STEL NF (2) ) 281- instructed (for pious eyes continuous eyes eyes continuous eyes continuous eyes eyes continuous eyes eyes eyes eyes eyes eyes eyes ey	ES-PEAK NF NF NF amount or face ap and oot wear	PEL (1)  PEL (1)  Or the I Seek to receive of become water con ag stop	N AIR (m OSHA ppm STEL NE NA NA Neares c immeduce th water to me swo	IDLH NE (500)  t Poison diate me risk of for at leadlen dure dure ted clother ted clother artificial form artificial form artification.	OTHER  Control Center edical attention faspiration. ast 15 minutes ring or following persists and/or hing until after it ficial respiration
OXAL 4.1	IC ACID  First Aid:	Advice from to KEEP OUT (CAS No. 7332-18-5 144-62-7 Acute Tox. (CAS No. 14	RTECS No.  ZC0110000  RO2450000  RO24500000  RO2450000  RO24500000  RO2450000  RO2450000	EINECS No.  231-791-2  205-634-3 (dermal) 4; H302  FIRST AI ICE VOMITING ency telephon urs spontaneo in the eyes, 1 s) open to ensphysician or eminated clothion worsens, cerly cleaned. The fresh air at the medical attes of mouth, throase damage to be manent eye dan and possible	% 60-100  7-13 2, H312  D ME/ 6. Contace number usly, keep flush eyes sure compand was ontact a plushed to be contact and stockidneys, rimage.	ACUIT TLV NE (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	RES (2)  RES yCall + sistance 's hea ughly v shing. immed ected a n immed eeme co	ESTWA NF (1)  1 (855) See and dolowed listely. It was wediately conditionally conditio	PAT  EXPO NOHSC ppm ES- STEL NF  (2)  ) 281- instruct red (for pious eyes continuous, if both popularine.	ES-PEAK NF NF NF amount face ap and lot wear reathing included	PEL (1)  Or the I Seek to recents of become water con grant of the condition of the conditi	N AIR (m OSHA ppm STEL NE NA	IDLH NE (500)  t Poison diate me erisk of for at leadlen dure ted cloth form artiformiting,	OTHER  Control Center edical attention. ast 15 minutes, ring or following persists and/or ning until after it ficial respiration and abdominal
OXAL	IC ACID  First Aid:	Advice from to KEEP OUT (CAS No. 7332-18-5 144-62-7 Acute Tox. (CAS No. 14	RTECS No.  ZC0110000  RO2450000  RO24500000  RO2450000  RO24500000  RO2450000  RO2450000	EINECS No.  231-791-2  205-634-3 (dermal) 4; H302  FIRST AI ICE VOMITING ency telephon urs spontaneo in the eyes, 1 s) open to ensphysician or eminated clothion worsens, cerly cleaned. The fresh air at the medical attes of mouth, throase damage to lanent eye dan and possible ere irritation or ensible ere ensible ere irritation or ensible ere en	% 60-100  7-13 2, H312  D ME/ 6. Contace number usly, keep flush eyes sure compand was not act a plushed to be contact a plushed to be contact and stockidneys, rimage. The burns of respirators of the contact and stockidneys, rimage.	ENT  AC  PR  TLV  NE  (1)  (1)  ASUI  t Safety for asso ovictimes thorouselete fluir room in ash affernysician der extrements. The sulting property traces on the sulting property traces of the sulting property traces on the sulting property traces on the sulting property traces of the sulting property traces on the sulting property traces on the sulting property traces of the sulting property traces of the sulting property traces on the sulting property traces of the sulting property traces	RES (2)  RES (2)  RES (2)  RES (2)  RES (2)  RES (3)  RES (4)  RES (4)  RES (5)  RES (6)  RES (7)  RES	ES-TWA NF (1)  1 (855) and d lowe with cool of the iately. Ireas we diately on ditional order of the iately on ditional order order or the iately on ditional order orde	PAT  EXPO NOHSC ppm ES- STEL NF  (2)  ) 281- instruct red (for pious eyes continuous, if both popularine.	ES-PEAK NF NF NF amount face ap and lot wear reathing included	PEL (1)  Or the I Seek to recents of become water con grant of the condition of the conditi	N AIR (m OSHA ppm STEL NE NA	IDLH NE (500)  t Poison diate me erisk of for at leadlen dure ted cloth form artiformiting,	OTHER  Control Center edical attention. ast 15 minutes, ring or following persists and/or ning until after it ficial respiration and abdominal
4.1 4.2	First Aid:  Effects of Exposure:	Advice from to KEEP OUT (CAS No. 7332-18-5 144-62-7 Acute Tox. (CAS No. 14	RTECS No.  ZC0110000  RO2450000  RO24500000  RO2450000  RO24500000  RO2450000  RO2450000  RO2450000  RO2450000  RO2450000  RO24500000  RO24500000  RO24500	EINECS No.  231-791-2  205-634-3 (dermal) 4; H302  FIRST AI ICE VOMITING ency telephon urs spontaneo in the eyes, 1 s) open to ensphysician or eminated clothin on worsens, cerly cleaned. Ito fresh air at the medical attee of mouth, throase damage to lananent eye dan and possible ere irritation or ing, irritation, a	% 60-100  7-13 2, H312  D ME/ 6. Contace number usly, keep flush eyes sure compand was not act a plushed to be contact a plushed to be contact and stockidneys, rimage. The burns of respirate and swelling and swell	ENT  AC  PR  TLV  NE  (1)  (1)  ASUI  t Safety for asso ovictimes thorous lette fluir room i ash affernysician der extremach. esulting aroung	RES (2)  RES (2)  RES (2)  RES (2)  RES (2)  RES (3)  RES (4)  RES (5)  RES (6)  RES (7)  RES	ES-TWA NF (1)  1 (855) and d lowe with cool of the iately. Ireas we diately on ditional order of the iately on ditional order order or the iately on ditional order orde	PAT  EXPO NOHSC ppm ES- STEL NF  (2)  ) 281- instruct red (for pious eyes continuous, if both popularine.	ES-PEAK NF NF NF amount face ap and lot wear reathing included	PEL (1)  Or the I Seek to recents of become water con grant of the condition of the conditi	N AIR (m OSHA ppm STEL NE NA	IDLH NE (500)  t Poison diate me erisk of for at leadlen dure ted cloth form artiformiting,	Control Center edical attention assist 15 minutes ring or following persists and/or ning until after it ficial respiration and abdomina
4.1 4.2	First Aid:  Effects of Exposure:	Advice from to KEEP OUT (CAS No. 7332-18-5 144-62-7 Acute Tox. (CAS No. 14	RTECS No.  ZC0110000  RO2450000  RO24500000  RO2450000  RO24500000	EINECS No.  231-791-2  205-634-3 (dermal) 4; H302  FIRST AI ICE VOMITING ency telephon urs spontaneo in the eyes, 1 s) open to ensphysician or eminated clothin worsens, cerly cleaned, to fresh air at determedical attes of mouth, throase damage to lanent eye dan and possible ere irritation or ing, irritation, aing, itching, ra	% 60-100  7-13 2, H312  D ME/ 6. Contace e number usly, keep flush eyes sure comp mergency ng and wa ontact a plush eyes to the contact and stockidneys, rimage. e burns. f respirator and swellish, blister	ACUIT TLV NE (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	RES (2)  RES (2)  RES (2)  RES (2)  RES (2)  RES (3)  RES (4)  RES (5)  RES (6)  RES (7)  RES	ES-TWA NF (1)  1 (855) and d lowe with cool of the iately. Ireas we diately on ditional order of the iately on ditional order order or the iately on ditional order orde	PAT  EXPO NOHSC ppm ES- STEL NF  (2)  ) 281- instruct red (for pious eyes continuous, if both popularine.	ES-PEAK NF NF NF amount face ap and lot wear reathing included	PEL (1)  Or the I Seek to recents of become water con grant of the condition of the conditi	N AIR (m OSHA ppm STEL NE NA	IDLH NE (500)  t Poison diate me erisk of for at leadlen dure ted cloth form artiformiting,	Control Center edical attention aspiration. ast 15 minutes ring or following persists and/oning until after inficial respiration and abdomina
4.1 4.2	First Aid:  Effects of Exposure:	Advice from to KEEP OUT (CAS No. 7332-18-5 144-62-7 Acute Tox. (CAS No. 14	RTECS No.  ZC0110000  RO2450000  RO24500000  RO2450000  RO24500000  RO2450000  RO2450000  RO2450000  RO2450000  RO2450000  RO24500000  RO24500000  RO24500	EINECS No.  231-791-2  205-634-3 (dermal) 4; H302  FIRST AI ICE VOMITING ency telephon urs spontaneo in the eyes, 1 s) open to ensphysician or eminated clothion worsens, cerly cleaned. It to fresh air at the medical atternoof mouth, throase damage to long, irritation or ing, irritation or ing, irritation, aing, itching, raing, severe ab	% 60-100  7-13 2, H312  D ME/ 6. Contace e number usly, keep flush eyes sure comp mergency ng and wa ontact a plush eyes to the contact and stockidneys, rimage. e burns. f respirator and swellish, blister dominal p	ACUIT TLV NE (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	RES (2)  RES (2)  RES (2)  RES (3)  (4)  (5)  RES (4)  (6)  (7)  (7)  (8)  (9)  (9)  (9)  (1)  (1)  (1)  (1)  (2)  (2)  (3)  (4)  (4)  (5)  (6)  (7)  (7)  (7)  (8)  (8)  (9)  (9)  (9)  (9)  (1)  (1)  (1)  (1	ES-TWA NF (1)  1 (855) See and dolowed list list list list list list list list	PAT  EXPO NOHSC ppm ES- STEL NF  (2)  ) 281- instruct red (for pious eyes of the solid properties of the surine.	ES-PEAK NF NF NF 1742 oo ctions. rward) amound face ap and lot weak reathing included the components of the components o	PEL (1)  Or the 1 Seek to recents of become water con mg stop de nau	N AIR (m OSHA ppm STEL NE NA	IDLH NE (500)  t Poison diate me erisk of for at leadlen dure ted cloth form artiformiting,	Control Cente edical attention ast 15 minutes ring or following persists and/oning until after inficial respiration and abdomina breathing.



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SDS Revision Date: 2/13/2022

4.	T	4. FIRST									
4.4	Acute Health Effects:	May be harmful if inhaled. Materia tract. May be harmful if swallowed								s and up	per respir
4.5	Chronic Health Effects:	May damage the nervous system,	kidney a	nd/or live	r.						
4.6	Target Organs:	Eyes, Skin, Lungs									_
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skill target organs (eyes, skin, and res					HEALTI				2
		function may be more susceptible					FLAMM	IABILIT'	Y		0
							PHYSIC	AL HAZ	ZARDS		0
							PROTE	CTIVE E	QUIPM	ENT	В
							EYES	SKIN			
		- FIDE	<u> </u>			<u> </u>					
	T =	5. FIRE								1	
5.1	Fire & Explosion Hazards:	Non-flammable. May react with me	etals to re	elease hy	/drogen gas	s, which	can form	explosive	mixtures	5	
5.2	Extinguishing Methods:	with air.  Use fire-extinguishing media appro	onriate fo	r surrour	ding materi	als				-	
5.3	Firefighting Procedures:	As with any fire, firefighters should					nt includin	na a MSH	A/NIOSE	-	
		approved or equivalent self-conta fires as for surrounding materials degradation may produce oxides should be fought from a safe distal spray to cool fire-exposed surface fire control or dilution from entering	. Hazard of carbor nce. Kee s and to	ous deci , and/or p contair protect p	omposition nitrogen, hy ners cool un ersonal. Fi	product ydrocarl til well a ght fire	s may be cons and/offer the fire upwind. F	released. or derivat e is out. l Prevent ru	Therma ives. Fire Jse water inoff from		2 0
		6. ACCIDEN	TAL R	ELEA	SE ME	ASU	RES				
		(PPE). Use safety glasses or safe etc.) to prevent skin contact.  Small Spills: Wear appropriate prinert material such as vermiculite a Large Spills: Keep incompatible release. Isolate immediate hazardone with minimal risk. Wear all Recover as much free liquid as p discharging liquid into a sewer or	otective e or sand to naterials of area al opropriate ossible a	equipment o soak up (e.g., org nd keep orotect nd collect	nt including the production panics such unauthorize ive equipme	gloves and pl as oil) a ed perso ent inclu	and proted ace into a away from onnel out ouding resp	ctive eye containe spill. Sta of area. iratory pi	wear. Ur for later y upwind Stop spill otection	se a no disposa and aw or relea	n-combus I. ay from s ase if it ca litions wa
		7. HANDLING	& ST	ORAG	E INFO	)RMA	TION				
7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke when protective equipment when handli this product. Wash thoroughly afte the reach of children. Immediately	ng produc er handlin	t. Keep g. Do no	out of the re ot expose to	each of o	children. D nd flame. I	o not eat Use only	i, drink oı	smoke	when har
7.2	Storage & Handling:	Use and store in a cool, dry, well-w Store in acid-resistant containers. Keep away from incompatible sub	Keep co	ntainers	covered wh	hen not	in use. Av	void temp	eratures	above 4	
7.3	Special Precautions:	Empty containers may retain haza	•							•	
		8. EXPOSURE CONT		DI	EDSON.	AI D	DOTE (	TION	1		
	Exposure Limits:	J. EAFOSURE CONT	ACC		LKSUN	NOHSC	KUIE		OSHA		OTHER
8.1	ppm (mg/m <sup>3</sup> )					ES-	ES-				\
8.1	ppiii (iiig/iii )	CUERTO AL MARIETO	TLV	STEL	EC TIMA	STEL	PEAK	PEL	STEL	IDLH	
8.1	ppin (mg/m )	CHEMICAL NAME(S)			ES-TWA				B 1 A	(500)	
8.1	Ventilation & Engineering Controls:	OXALIC ACID  Use local or general exhaust ven handling of this product. Ensure a station).	(1) tilation to	(2) effective	(1) ely remove	(2) and pre	NF vent build	(1) up of var			
	Ventilation & Engineering	OXALIC ACID  Use local or general exhaust ven handling of this product. Ensure a	(1) tilation to appropriat ys of this 29 CFR §	(2) effective e decon product 1910.13	(1) ely remove atamination elements are general 4, applicable	(2) and pre equipme ted, and e U.S. S	NF vent build ent is availa I respirator State regul	(1) up of var able (e.g. ry protect ations, or	oors or m , sink, sa ion is ne	ist generated showing the show	
8.2	Ventilation & Engineering Controls:	OXALIC ACID  Use local or general exhaust ven handling of this product. Ensure a station).  In instances where vapors or spra use only protection authorized by CAS Standard Z94.4-93 and ap	(1) tilation to appropriat ys of this 29 CFR § plicable	(2) effective e decon product 1910.13 standard	(1) ely remove atamination elements are general 4, applicable s of Canad	(2) and pre equipme ted, and e U.S. S dian Pre	NF vent build ent is availa frespirator State regul ovinces, E	(1) up of var able (e.g. ry protect ations, or EC meml	oors or m , sink, sa ion is ne the Can per State	eded, adian	wer, eye-
8.2	Ventilation & Engineering Controls:  Respiratory Protection:	OXALIC ACID  Use local or general exhaust ven handling of this product. Ensure a station).  In instances where vapors or spra use only protection authorized by CAS Standard Z94.4-93 and ap Australia.  Safety glasses with side shields response to the control of	(1) tilation to appropriat  ys of this 29 CFR § plicable  must be u	(2) effective e decon product 1910.13 standard	(1) ely remove tamination el are general 4, applicables of Canacen handling	(2) and pre equipme ted, and e U.S. S dian Pro or usin	NF vent build ent is availa respirator State regul ovinces, E g this proc	(1) up of vap able (e.g. ry protect ations, or EC meml	oors or m , sink, sa ion is ne the Can per State	eded, adian	wer, eye-



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Порс	area to corn t, 7100, 71140	of, which, within, one a containants   Obo Nevision Date. 210/2022
		0 DUVEICAL & CHEMICAL DEODEDTIES
9.1	Anna-1-1-1	9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance: Odor:	Clear green liquid
9.3	Odor Threshold:	Odorless
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling	
3.0	Range:	> 100 °C (> 212 °F)
9.7	Flashpoint:	NA NA
9.8	Upper/Lower Flammability Limits:	NA NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
9.11	Relative Density:	1.046
9.12	Solubility:	Complete (water)
9.13	Partition Coefficient (log Pow):	NA NA
9.14	Autoignition Temperature:	NA NA
9.15	Decomposition Temperature:	NA NA
9.16	Viscosity:	NA NA
9.17	Other Information:	Evaporation Rate: > 1.0 (Ethyl Ether = 1.0)
		10. STABILITY & REACTIVITY
10.1	Stability:	Stable at normal temperatures.
10.2	Hazardous Decomposition Products:	Thermal decomposition may produce oxides of carbon, formic acid.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Excessive heat, shock, friction, incompatible substances.
10.5	Incompatible Substances:	Cyanides, strong oxidizers, furfuryl alcohol, most metals, sodium hypochlorite.
		11. TOXICOLOGICAL INFORMATION
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: NO
11.2	Toxicity Data:	Toxicology data, found in scientific literature, is available for some of the components of the product. Oxalic Acid: LD <sub>50</sub> (oral, rat - female) = 375 mg/kg; LD <sub>50</sub> (dermal, rabbit) = 20,000 mg/kg; Eye irritation/damage Rabbit – Risk of serious eye irritation/damage – 24h.
11.3	Acute Toxicity:	See Section 4.4
11.4	Chronic Toxicity:	See Section 4.5
11.5	Suspected Carcinogen:	NA NA
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to 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
11.8	Biological Exposure Indices:	NE NE
11.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	Oxalic Acid: 89% - readily biodegradable
12.2	Effects on Plants & Animals:	No data available.
12.3	Effects on Aquatic Life:	No data available for this specific product. Expected to be harmful to overexposed aquatic life.
		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.
13.2	Special Considerations:	Treatment, transport, storage and disposal of hazardous waste must be provided by a licensed facility or waste hauler.



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SDS Revision Date: 2/13/2022

### 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.

14.1	49 CFR (GND):	UN3265, CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S. (OXALIC ACID), 8, III
		LTD QTY (IP VOL $\leq 5.0$ L)
14.2	IATA (AIR):	UN3265, CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S. (OXALIC ACID), 8, III, LTD QTY (IP VOL $\leq$ 0.5 L), PI Y841
14.3	IMDG (OCN):	UN3265, CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S. (OXALIC ACID), 8, III, LTD QTY (IP VOL $\leq 5.0$ L)
14.4	TDGR (Canadian GND):	UN3265, CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S. (OXALIC ACID), 8, III, LTD QTY (IP VOL $\leq 5.0$ L)
14.5	ADR/RID (EU):	UN3265, CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S. (OXALIC ACID), 8, III, LTD QTY (IP VOL $\leq$ 5.0 L)
14.6	SCT (MEXICO):	UN3265, LIQUIDOS CORROSIVOS, ACIDO, ORGANICO, N.E.P. (ACIDO OXALICO), 8, III, CANTIDAD LIMITADA (IP VOL $\leq$ 5.0 L)
14.7	ADGR (AUS):	UN3265, CORROSIVE LIQUIDS, ACIDIC, ORGANIC, N.O.S. (OXALIC ACID), 8, III, LTD QTY (IP VOL ≤ 5.0 L)



		15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, sections 302 or 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	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 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 E (Corrosive Material). WHMIS Class D2B (Materials causing other toxic effects).
15.7	State Regulatory Information:	Oxalic Acid is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), 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).
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:	instructions before use. Do not use until all safety and water after handling. Do not eat, drink, o clothing/eye protection/face protection. IF SWALI of soap and water. Get medical help. IF IN EYES: if present and easy to do. Continue rinsing. If ey	CONTACT WITH SKIN. CAUSES SERIOUS EYE IRRITATION. Obtain precautions have been read and understood. Wash thoroughly with soap r smoke when using this product. Wear protective gloves/ protective LOWED: Get medical help. Rinse mouth. IF ON SKIN: Wash with plenty Rinse cautiously with water for several minutes. Remove contact lenses, re irritation persists: Get medical help. Specific treatment see section 4 EP LOCKED UP AND 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 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 ined herein is reliable and accurate as of this date; however, accuracy, id 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

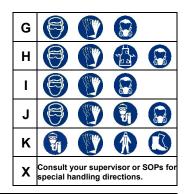
#### **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

0	Minimal Hazard		
1	Slight Hazard		
2	Moderate Hazard		
3	Severe Hazard		
4	Extreme Hazard		



### PERSONAL PROTECTION RATINGS:

Α			
В			
С			
D			
Е			
F		TT.	





#### 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:					
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	FLAMMABILITY			
1	Slight Hazard	\			
2	Moderate Hazard	REACTIVITY			
3	Severe Hazard				
4	Extreme Hazard				
ACD	Acidic				
ALK	Alkaline				
COR	Corrosive	/ <b>~~~ ~~ ~</b>			
W	Use No Water	HEALTH 🔪			
ОХ	Oxidizer	SPECIAL			
TREFOIL	Radioactive	PRECAUTIONS			

#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals				
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal				
ppm	Concentration expressed in parts of material per million parts				
TD <sub>lo</sub>	Lowest dose to cause a symptom				
TCLo	Lowest concentration to cause a symptom				
TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> 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	PSL 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:

0	<b>(A)</b>	<b>(2)</b>	<b>(4)</b>	$\odot$	<b>®</b>		Ř
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:

			$\Diamond$			<b>(!</b> >		
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment