

		SAFETY DATA	SHEET		
in accorda	nce with 1907/20	06/EC (REACH, as amende	-	and 29 CFR 1910.12	:00
Revision date: 29 May	2015	Initial date of issue:	3 July 2007	SDS No.	291-15
SECTION 1: IDENTIFICA	TION OF THE SU	JBSTANCE/MIXTURE ANI	O OF THE COMPA	NY/UNDERTAKING	
1.1. Product identifier					
218 HDP					
1.2. Relevant identified u	ses of the subst	ance or mixture and uses	advised against		
A high-alkaline, low-foamin	g cleaner.				
1.3. Details of the supplie	er of the safety d	lata sheet			
Company: A.W. CHESTERTON COM 860 Salem Street Groveland, MA 01834-150 Tel.: +1 978-469-6446 F (Mon Fri. 8:30 - 5:00 PM SDS requests: www.cheste E-mail (SDS questions): Pri E-mail: customer.service@	7, USA ax: +1 978-469-(EST) erton.com oductMSDSs@cl		lier:		
1.4. Emergency telephon	e number				
24 hours per day, 7 days p Call Infotrac: 1-800-535-50 Outside N. America: +1 35)53	ect)			
SECTION 2: HAZARDS I	DENTIFICATION				
2.1. Classification of the					
	rding to Regulat	tion (EC) No 1272/2008 [C	LP]		
Skin Corr. 1B, H314					
	rding to Directiv	ves 1999/45/EC and 1975/3	24/EEC		
C; Corrosive; R34					
2.1.3. Classification acco	rding to 29 CFR	1910.1200 / WHMIS 2015			
Skin Corr. 1B, H314 Repr. 2, H361d					
2.1.4. Classification acco	rding to WHMIS	1988			
E: Corrosive materials					
2.1.5. Australian stateme	nt of hazardous	nature			
Hazardous according to cri	teria of Safe Wor	k Australia.			
2.1.6. Additional informat	ion				
For full text of H-statement	s and R-phrases:	see SECTIONS 2.2 and 16	б.		
2.2. Label elements					
2.2.1. Labelling according	g to Regulation ((EC) No 1272/2008 [CLP]			
Hazard pictograms:					
Signal word:	Danger				
Hazard statements:	H314	Causes severe skin bur	ns and eye damage).	

Date: 29 May 2015

Precautionary statements:		1 IF SWALLOWED: 3 IF ON SKIN (or ha	oves/clothing a rinse mouth. I ir): Take off im	and eye/face protection. Do NOT induce vomiting. Imediately all contaminated	clothing. Rinse skin			
	P305/351/33	with water/shower IF IN EYES: Rinse lenses, if present a	cautiously wit	h water for several minutes . Continue rinsing.	. Remove contact			
	P310			ITER or doctor/physician.				
Supplemental information:	None							
2.2.2. Labelling according to	29 CFR 1910	1200 / WHMIS 2015						
Hazard pictograms:		الله الله الله الله الله الله الله الله						
Signal word:	Danger							
Hazard statements:	H314 H361D		Causes severe skin burns and eye damage. Suspected of damaging the unborn child.					
Precautionary statements:		1 IF SWALLOWED:	st/spray. oves/clothing a rinse mouth. E ir): Take off im	e use. and eye/face protection. Do NOT induce vomiting. Imediately all contaminated	clothing. Rinse skin			
		8 IF IN EYES: Rinse lenses, if present a	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.					
	P310	Immediately call a	POISON CEN	ITER or doctor/physician.				
Supplemental information:	None							
2.3. Other hazards None known								
			~					
SECTION 3: COMPOSITION 3.2. Mixtures			5					
Hazardous Ingredients ¹	% W	/t. CAS No./ EC No.	REACH Reg. No.	Classification (CLP/GHS)	Classification (67/548/EEC)			
Potassium hydroxide	1-4.9	9 1310-58-3 215-181-3	NA	Acute Tox. 4, H302 Skin Corr. 1A, H314	C; R35 Xn; R22			
Boric Acid, Monoethanolamine	e Salt 1-3	26038-87-9 247-421-8	NA	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	Xn; R22 Xi; R36/38			
Boric acid, Monoisopropanola Salt	mine 1-3	26038-90-4 247-422-3	NA	Acute Tox. 4, H302	Xn; R22			
Sodium carbonate	1-2	497-19-8 207-838-8	NA	Eye Irrit. 2, H319	Xi; R36			
2-(2-Methoxyethoxy)ethanol	0.1-:		NA	Repr. 2, H361d	Repr. Cat. 3; R63			
Indications of danger acc. to 6		C: Corrosive; Xn: Ha	·		alifornia Proposition 65			
* 1272/ * WHM	2008/EC, 67/548 IS 2015	IDS, 1916, 1917, Mass. /EEC, 99/45/EC, REAC IOHSC: 1008 (2004)]		aw (01. 40, WI.G.L.O. IIIF), C	מווסרוומ דוסטטגונטרו טס			

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cts.
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7.3. Specific end use(s) No special precautions.

8.1. Control parameters								
Occupational exposure lim	it values							
Ingredients		A PEL ¹ mg/m ³	ACGI ppm	H TLV ² mg/m ³	UK V ppm	VEL ³ mg/m ³	AUSTR ppm	RALIA ES⁴ mg/m³
Potassium hydroxide	-	-	-	(Ceiling) 2	-	2 (STEL)	-	(Peak) 2
Boric Acid, Monoethanolamir Salt	ne –	-	-	_	-	-	-	-
Boric acid, Monoisopropanolamine Salt	-	-	-	-	-	-	-	-
Sodium carbonate	-	_	-	-	-	_	-	-
2-(2-Methoxyethoxy)ethanol	-	-	-	-	10	50.1 (skin)	-	_
 ³ EH40 Workplace exposure ⁴ Adopted National Exposure 8.2. Exposure controls 8.2.1 Engineering measure 	e Standards for A			ts in the Occu	pational Env	vironment [NC	0HSC:1003	3].
8.2.1. Engineering measure								
Use only in well-ventilated an accessible eye wash stations			ceeded, sup	oplement with	local mecha	inical exhaust	. Provide r	readily
8.2.2. Individual protection	measures							
Respiratory protection:	measures Not normally ne respirator (e.g.,			are exceeded	, use an app	proved organic	c/acid/base	e vapor
Respiratory protection:	Not normally ne	EN filter type	e P2).		, use an app	proved organic	c/acid/base	e vapor
Respiratory protection: Protective gloves:	Not normally ne respirator (e.g.,	EN filter type ves (e.g., rubl	e P2).		, use an app	proved organic	c/acid/base	e vapor
Respiratory protection: Protective gloves: Eye and face protection:	Not normally ne respirator (e.g., Waterproof glov	EN filter type ves (e.g., rubl	e P2). ber, nitrile, l	latex)		-		
Respiratory protection: Protective gloves: Eye and face protection: Other:	Not normally ne respirator (e.g., Waterproof glov Safety goggles. Rubber apron, n	EN filter type ves (e.g., rubl	e P2). ber, nitrile, l	latex)		-		
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expos	Not normally ne respirator (e.g., Waterproof glov Safety goggles. Rubber apron, n	EN filter type ves (e.g., rubl	e P2). ber, nitrile, l	latex)		-		
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expos Refer to sections 6 and 12. SECTION 9: PHYSICAL AN	Not normally ne respirator (e.g., Waterproof glov Safety goggles. Rubber apron, n sure controls	EN filter type ves (e.g., rubl rubber boots	e P2). ber, nitrile, l and other in 5	latex)		-		
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expos Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p	Not normally ne respirator (e.g., Waterproof glov Safety goggles. Rubber apron, n sure controls	EN filter type ves (e.g., rubl rubber boots	e P2). ber, nitrile, l and other in S Serties	latex) mpervious clot		essary to prev	vent skin c	ontact.
Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expos Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state	Not normally ne respirator (e.g., Waterproof glov Safety goggles. Rubber apron, n sure controls ND CHEMICAL F hysical and che liquid	EN filter type ves (e.g., rubl rubber boots	e P2). ber, nitrile, l and other in and other in S erties Odc	latex) mpervious clot		essary to prev	vent skin c	ontact.
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expos Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state Colour	Not normally ne respirator (e.g., Waterproof glov Safety goggles. Rubber apron, n sure controls ND CHEMICAL F hysical and che liquid colorless	EN filter type ves (e.g., rubl rubber boots PROPERTIES emical prope	e P2). ber, nitrile, l and other in and other in <u>S</u> erties Odc Odc	latex) mpervious clot our our threshold	hing as nec	essary to prev mild deten	vent skin c	ontact.
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expos Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state Colour Initial boiling point	Not normally nervespirator (e.g., Waterproof glov Safety goggles. Rubber apron, nervespirator sure controls ND CHEMICAL F hysical and cherves liquid colorless 100°C (212°	EN filter type ves (e.g., rubl rubber boots PROPERTIES emical prope	e P2). ber, nitrile, l and other in and other in <u>S</u> erties Odc Odc Vap	latex) mpervious clot our our threshold our pressure	hing as nec	mild deternot deternot deter	vent skin c	ontact.
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expos Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state Colour Initial boiling point Melting point	Not normally nervespirator (e.g., Waterproof glov Safety goggles. Rubber apron, nervest sure controls ND CHEMICAL F hysical and cherves liquid colorless 100°C (212° not applicab	EN filter type ves (e.g., rubl rubber boots PROPERTIES emical prope	e P2). ber, nitrile, l and other in S erties Odc Odc Vap % A	latex) mpervious clot our our threshold	hing as nec	mild deten not deten 0%	vent skin c	ontact.
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expos Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state Colour Initial boiling point Melting point % Volatile (by volume)	Not normally nervespirator (e.g., Waterproof glov Safety goggles. Rubber apron, nervespirator sure controls ND CHEMICAL F hysical and cher liquid colorless 100°C (212° not applicab 92%	EN filter type ves (e.g., rubl rubber boots PROPERTIES emical prope	e P2). ber, nitrile, l and other in S erties Odc Odc Vap % A pH	latex) mpervious clot our our threshold our pressure romatics by v	hing as nec	mild detended and detended of the mild detended of	vent skin c ergent odo rmined rmined	ontact.
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expos Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state Colour Initial boiling point Melting point % Volatile (by volume) Flash point	Not normally nervespirator (e.g., Waterproof glov Safety goggles. Rubber apron, nervespirator sure controls ND CHEMICAL F hysical and cherves liquid colorless 100°C (212° not applicab 92% None	EN filter type ves (e.g., rubl rubber boots PROPERTIES emical prope	e P2). ber, nitrile, l and other in S erties Odc Odc Vap % A pH Rela	latex) mpervious clot our our threshold our pressure romatics by v	hing as nec @ 20°C weight	mild detenot detenot detenot detenot detenová 13.4 1.08 kg/l	vent skin c ergent odo rmined rmined	ontact.
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expose Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state Colour Initial boiling point Melting point % Volatile (by volume) Flash point Method	Not normally nervespirator (e.g., Waterproof glov Safety goggles. Rubber apron, nervespirator sure controls ND CHEMICAL F hysical and cher liquid colorless 100°C (212° not applicab 92%	EN filter type ves (e.g., rubl rubber boots PROPERTIES emical prope	e P2). ber, nitrile, l and other in S erties Odc Odc Vap % A pH Rela Wei	latex) mpervious clot our our threshold our pressure romatics by v	hing as nec @ 20°C weight ne	mild detended and detended of the mild detended of	vent skin c ergent odo rmined rmined	ontact.
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expos Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state Colour Initial boiling point Melting point % Volatile (by volume) Flash point Method Viscosity	Not normally nervespirator (e.g., Waterproof glov Safety goggles. Rubber apron, nervest sure controls ND CHEMICAL F hysical and cher liquid colorless 100°C (212° not applicab 92% None PM Closed (EN filter type ves (e.g., rubl rubber boots PROPERTIES emical prope	e P2). ber, nitrile, l and other in S erties Odc Odc Vap % A pH Rela Wei Coe	latex) mpervious clot our our threshold our pressure romatics by v ative density ght per volun	hing as nec @ 20°C weight ne r/oil)	mild detent not detent not detent 0% 13.4 1.08 kg/l 9.0 lbs/g	vent skin c ergent odo rmined rmined	ontact.
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expose Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state Colour Initial boiling point Melting point % Volatile (by volume) Flash point Method Viscosity Autoignition temperature	Not normally nerespirator (e.g., Waterproof glov Safety goggles. Rubber apron, nerespirator (e.g., Safety goggles. Rubber apron, nerespirator sure controls ND CHEMICAL F hysical and cher liquid colorless 100°C (212° not applicab 92% None PM Closed C < 20 cps not determin	EN filter type ves (e.g., rubl rubber boots PROPERTIES emical prope	e P2). ber, nitrile, l and other in S erties Odc Odc Vap % A pH Rela Wei Coe Vap	latex) mpervious clot our our threshold our pressure romatics by v ative density ght per volun	(hing as nec @ 20°C weight ne r/oil) air=1)	mild detent mild detent not detent 0% 13.4 1.08 kg/l 9.0 lbs/g > 1 > 1	vent skin c ergent odo rmined rmined	ontact.
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expose Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state Colour Initial boiling point Melting point % Volatile (by volume) Flash point Method Viscosity Autoignition temperature Decomposition temperature Upper/lower flammability o explosive limits	Not normally nerespirator (e.g., Waterproof glov Safety goggles. Rubber apron, nerespirator (e.g., Safety goggles. Rubber apron, nerespirator sure controls ND CHEMICAL F hysical and cher liquid colorless 100°C (212° not applicab 92% None PM Closed C < 20 cps not determine reno data avai	EN filter type ves (e.g., rubb rubber boots PROPERTIES emical prope F) le Cup hed lable hed	e P2). ber, nitrile, l and other in S erties Odc Odc Vap % A pH Rela Wei Coe Vap Rate Solu	latex) mpervious clot our our threshold our pressure romatics by v ative density ght per volun efficient (wate our density (a e of evaporati ubility in wate	hing as nec @ 20°C weight ne r/oil) air=1) ion (ether=:	mild detent mild detent not detent 0% 13.4 1.08 kg/l 9.0 lbs/g > 1 > 1	vent skin c ergent odo rmined rmined al	ontact.
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expose Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state Colour Initial boiling point Melting point % Volatile (by volume) Flash point Method Viscosity Autoignition temperature Decomposition temperature Decomposition temperature Upper/lower flammability o explosive limits Flammability (solid, gas)	Not normally nerespirator (e.g., Waterproof glov Safety goggles. Rubber apron, nerespirator (e.g., Safety goggles. Rubber apron, nerespirator sure controls ND CHEMICAL F hysical and cher liquid colorless 100°C (212° not applicab 92% None PM Closed C < 20 cps not determin re no data avai	EN filter type ves (e.g., rubb rubber boots PROPERTIES emical prope F) le Cup hed lable hed le	e P2). ber, nitrile, l and other in S erties Odc Odc Vap % A pH Rela Wei Coe Vap Rate Solu	latex) mpervious clot our our threshold our pressure romatics by v ative density ght per volun efficient (wate our density (a e of evaporati	hing as nec @ 20°C weight ne r/oil) air=1) ion (ether=:	mild deternot deternov deterno	vent skin c ergent odo rmined rmined al	ontact.
Respiratory protection: Protective gloves: Eye and face protection: Other: 8.2.3. Environmental expose Refer to sections 6 and 12. SECTION 9: PHYSICAL AN 9.1. Information on basic p Physical state Colour Initial boiling point Melting point % Volatile (by volume) Flash point Method Viscosity Autoignition temperature Decomposition temperature Upper/lower flammability o	Not normally nerespirator (e.g., Waterproof glov Safety goggles. Rubber apron, nerespirator (e.g., Safety goggles. Rubber apron, nerespirator sure controls DCHEMICAL F hysical and cher liquid colorless 100°C (212° not applicab 92% None PM Closed C < 20 cps not determine reno data avai print applicab	EN filter type ves (e.g., rubb rubber boots PROPERTIES emical prope F) le Cup hed lable hed le	e P2). ber, nitrile, l and other in S erties Odc Odc Vap % A pH Rela Wei Coe Vap Rate Solu	latex) mpervious clot our our threshold our pressure romatics by v ative density ght per volun efficient (wate our density (a e of evaporati ubility in wate	hing as nec @ 20°C weight ne r/oil) air=1) ion (ether=:	mild deternot deternot deternot deternot deternot deternov 13.4 1.08 kg/l 9.0 lbs/g > 1 > 1 1) < 1 complete	vent skin c ergent odo rmined rmined al	ontact.

10.1. Reactivity

Refer to sections 10.3 and 10.5. Potassium hydroxide: reacts with some metals, such as aluminum, zinc and tin, forming highly flammable hydrogen gas.

10.2. Chemical stability			
Stable			
10.3. Possibility of hazardo	ous reactions		
No dangerous reactions know	wn under conditions of normal use.		
10.4. Conditions to avoid			
None			
10.5. Incompatible material			
Aluminum, Zinc and Tin; allo	ys of Aluminum, Zinc and Tin and strong oxic	lizers like liquid Chlorine and c	oncentrated Oxygen.
10.6. Hazardous decompos	sition products		
Carbon Monoxide, Carbon D	ioxide and small amounts of Nitrous Oxides a	and other toxic fumes.	
SECTION 11: TOXICOLOG	ICAL INFORMATION		
11.1. Information on toxico	logical effects		
Primary route of exposure under normal use:	Skin and eye contact.		
Acute toxicity -			
Oral:	ATE-mix = 6354 mg/kg.		
	Substance	Tost	Pocult
	Substance Potassium hydroxide	Test LD50, rat	Result 365 mg/kg
	Sodium carbonate	LD50, rat	4090 mg/kg
	2-(2-Methoxyethoxy)ethanol	LD50, mouse	8222 mg/kg
	Boric Acid, Monoethanolamine Salt +	LD50, rat	1580 mg/kg
	Boric acid, Monoisopropanolamine Salt		
Dermal:			
	Substance	Test	Result
	Sodium carbonate	LD50, rabbit	> 2000 mg/kg
	2-(2-Methoxyethoxy)ethanol	LD50, rat	≈ 6450 mg/kg
Inhalation:		1	
	Substance	Test	Result
	Sodium carbonate	LC50, rat, 2 h	2.3 mg/l
	2-(2-Methoxyethoxy)ethanol	LC0, rat, 6 h	> 1.2 mg/l
Skin corrosion/irritation:	Causes burns.		
	Substance	Test	Result
	Potassium hydroxide	Skin irritation, rabbit	Corrosive
Serious eye damage/			
irritation:	Substance	Test	Result
	Potassium hydroxide	Eye irritation, rabbit	Corrosive
Respiratory or skin sensitisation:	Potassium hydroxide, Sodium carbonate: b met.	pased on available data, the cla	assification criteria are not
Germ cell mutagenicity:	Hazardous ingredients: based on available	data, the classification criteria	are not met.
Carcinogenicity:	As per 29 CFR 1910.1200 (Hazard Commu by the National Toxicology Program (NTP) (IARC), the Occupational Safety and Healt 1272/2008.	unication), this product contains , the International Agency for F	s no carcinogens as listed Research on Cancer
Reproductive toxicity:	2-(2-Methoxyethoxy)ethanol: Suspected of Sodium carbonate: based on available data		
STOT-single exposure:	Hazardous ingredients: based on available	data, the classification criteria	are not met.

STOT-repeated exposure:	Hazardous ingredients: based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.
Other information:	None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

12.1. Toxicity

No data available for the mixture. Many aquatic species are intolerant of pH levels in excess of 10.

12.2. Persistence and degradability

2-(2-Methoxyethoxy)ethanol: readily biodegradable. Potassium hydroxide, Sodium carbonate: inorganic substances. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) N° 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Hazardous ingredients: not expected to bioaccumulate.

12.4. Mobility in soil

Liquid. Soluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). 2-(2-Methoxyethoxy)ethanol: expected to have very high mobility in soils.

12.5. Results of PBT and vPvB assessment

Not available

12.6. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Incinerate or landfill absorbed material with a properly licensed facility. Free liquids may require neutralization and recovery of organics prior to disposal. Check local, state and national/federal regulations and comply with the most stringent requirement. This product is classified as a hazardous waste according to 2008/98/EC.

European List of Wastes code: 20 01 15

SECTION 14: TRANSPORT INFORMATION					
14.1. UN number					
ADR/RID/ADN/IMDG/ICAO:	UN1814				
TDG:	UN1814				
US DOT:	UN1814				
14.2. UN proper shipping name					
ADR/RID/ADN/IMDG/ICAO:	POTASSIUM HYDROXIDE SOLUTION				
TDG:	POTASSIUM HYDROXIDE SOLUTION				
US DOT:	POTASSIUM HYDROXIDE SOLUTION				
14.3. Transport hazard class(es)					
ADR/RID/ADN/IMDG/ICAO:	8				
TDG:	8				
US DOT:	8				
14.4. Packing group					
ADR/RID/ADN/IMDG/ICAO:	II				
TDG:	ll				
US DOT:	II				
14.5. Environmental hazards					
NO ENVIRONMENTAL HAZARDS					
14.6. Special precautions for user					
NO SPECIAL PRECAUTIONS FOR US	ER				
14.7. Transport in bulk according to An	nex II of MARPOL73/78 and the IBC Code				
NOT APPLICABLE					
14.8. Other information					
US DOT: ERG NO. 154					
May be shipped as Limited Qu not over 1 Liter (49 CFR 173.1	uantities in packaging having a rated capacity gross weight of 66 lb. or less and in inner packages 154 (b,1)				

		'Separated from Acids" e C5, Tunnel restriction code (E)		
		vironmental regulations/legislations/	on specific for the substa	Ince or mixture
15.1.1. EU regula			•	
Authorisations u		VII: Not applicable		
Restrictions und				
	tions: R		ergents. Directive 94/33/EC	on the protection of young people at
15.1.2. National	regulation	S		
US EPA SARA T	TLE III		Hazardous Materia	Is Identification System (HMIS)
312 Hazards:	313 Chen	nicals:	4 = Severe Hazard	HEALTH 3
Immediate	Glycol E	thers (Below De Minimis	3 = Serious Hazard 2 = Moderate Hazard	FLAMMABILITY 0
	concentr	ation)	1 = Slight Hazard 0 = Minimal Hazard	
			* = See Section 8	PHYSICAL HAZARD 1
				Personal Protection *
Other national re 15.2. Chemical s No Chemical Safe	afety asse	•		
SECTION 16: O				angerous Goods by Inland Waterways
and acronyms:	ATE: ACI BCF: Bio CLP: Cla ES: Expo GHS: Glu ICAO: In IMDG: In LC50: Le LD50: Le LOEL: LO N/A: Not NOAEL: NOEL: N OECD: C PBT: Pei (Q)SAR: REACH: RID: Reg SDS: Sa STEL: SI STOT: S TDG: Tra US DOT VPVB: Ve WEL: WO	ropean Agreement concerning the I ute Toxicity Estimate concentration Factor ssification Labelling Packaging Reg osure Standard obally Harmonized System ternational Civil Aviation Organization ternational Maritime Dangerous Go thal Concentration to 50 % of a test othal Concentration to 50 % of a test observed Effect Level Applicable Available No Observed Adverse Effect Level organization for Economic Co-opera- rsistent, Bioaccumulative and Toxic Quantitative Structure-Activity Rela Registration, Evaluation, Authorisa- julations concerning the Internationa- fety Data Sheet nort Term Exposure Limit pecific Target Organ Toxicity ansportation of Dangerous Goods (G United States Department of Trans- ry Persistent and very Bioaccumula orkplace Hazardous Materials Infi- breviations and acronyms can be for	gulation (1272/2008/EC) on ods t population on ation and Development substance tionship tion and Restriction of Cher al Carriage of Dangerous G Canada) sportation tive substance	micals Regulation (1907/2006/EC) Goods by Rail
Key literature re and sources for	ferences	Commission de la santé et de la s Chemical Classification and Inform European Chemicals Agency (EC Hazardous Substances Informatio National Institute of Technology a Swedish Chemicals Agency (KEM U.S. National Library of Medicine	écurité du travail (CSST) nation Database (CCID) HA) - Information on Chem n System (HSIS) nd Evaluation (NITE) II)	icals

Classification	Classification procedure	
Skin Corr. 1B, H314	Calculation method	
H314: C H315: C H319: C	armful if swallowed. auses severe skin burns and eye damage. auses skin irritation. auses serious eye irritation. Suspected of damaging the unborn child.	
R35: Cause R36: Irritatin R38: Irritatin	o j	
Hazard pictogram names: Flame	e, health hazard	
Changes to the SDS in this revision	on: Sections 2.1.3, 2.2, 3, 8.1, 11, 16.	
Further information: None		