



	1. Product and Company I	dentification		
Product identifier	Evap Pow'R C (4168-01, 4168-05, 416	3-08)		
Other means of identification	Not available			
Recommended use	Evaporator Coil Cleaner	Evaporator Coil Cleaner		
Recommended restrictions	None known.			
Manufacturer information	Nu-Calgon 2611 Schuetz Road St. Louis, MO 63043 US Phone: 314-469-7000 / 800-554-5499 Emergency Phone: 1-800-424-9300 (CH	IEMTREC)		
Supplier	See above.			
	2. Hazards Identific	cation		
Physical hazards	Not classified.			
Health hazards	Acute toxicity, dermal	Category 4		
	Serious eye damage/eye irritation	Category 2		
Environmental hazards	Not classified.			
WHMIS 2015 defined hazards	Not classified			
Label elements				
Signal word	Warning			
Signal word Hazard statement	Warning Harmful in contact with skin. Causes set	rious eye irritation.		
-	0	rious eye irritation.		
Hazard statement	0			
Hazard statement Precautionary statement	Harmful in contact with skin. Causes set Wash thoroughly after handling. Wear e IF ON SKIN: Wash with plenty of water. Specific treatment (see information on the before reuse.	ye protection. Wear protective gloves. Call a POISON CENTER or doctor if you feel unwell. his label). Take off contaminated clothing and wash it r for several minutes. Remove contact lenses, if present		
Hazard statement Precautionary statement Prevention	Harmful in contact with skin. Causes set Wash thoroughly after handling. Wear e IF ON SKIN: Wash with plenty of water. Specific treatment (see information on the before reuse. IF IN EYES: Rinse cautiously with wate	ye protection. Wear protective gloves. Call a POISON CENTER or doctor if you feel unwell. his label). Take off contaminated clothing and wash it r for several minutes. Remove contact lenses, if present		
Hazard statement Precautionary statement Prevention Response	Harmful in contact with skin. Causes see Wash thoroughly after handling. Wear e IF ON SKIN: Wash with plenty of water. Specific treatment (see information on the before reuse. IF IN EYES: Rinse cautiously with water and easy to do. Continue rinsing. If eye Store locked up.	ye protection. Wear protective gloves. Call a POISON CENTER or doctor if you feel unwell. his label). Take off contaminated clothing and wash it r for several minutes. Remove contact lenses, if present		
Hazard statement Precautionary statement Prevention Response Storage	Harmful in contact with skin. Causes see Wash thoroughly after handling. Wear e IF ON SKIN: Wash with plenty of water. Specific treatment (see information on the before reuse. IF IN EYES: Rinse cautiously with water and easy to do. Continue rinsing. If eye Store locked up.	ye protection. Wear protective gloves. Call a POISON CENTER or doctor if you feel unwell. his label). Take off contaminated clothing and wash it r for several minutes. Remove contact lenses, if present irritation persists: Get medical attention.		
Hazard statement Precautionary statement Prevention Response Storage Disposal WHMIS 2015: Health Hazard(s) not otherwise classified	Harmful in contact with skin. Causes set Wash thoroughly after handling. Wear e IF ON SKIN: Wash with plenty of water. Specific treatment (see information on the before reuse. IF IN EYES: Rinse cautiously with wate and easy to do. Continue rinsing. If eye Store locked up. Dispose of container in accordance with	ye protection. Wear protective gloves. Call a POISON CENTER or doctor if you feel unwell. his label). Take off contaminated clothing and wash it r for several minutes. Remove contact lenses, if present irritation persists: Get medical attention.		
Hazard statement Precautionary statement Prevention Response Storage Disposal WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC) WHMIS 2015: Physical Hazard(s) not otherwise	Harmful in contact with skin. Causes set Wash thoroughly after handling. Wear e IF ON SKIN: Wash with plenty of water. Specific treatment (see information on the before reuse. IF IN EYES: Rinse cautiously with wate and easy to do. Continue rinsing. If eye Store locked up. Dispose of container in accordance with None known	ye protection. Wear protective gloves. Call a POISON CENTER or doctor if you feel unwell. his label). Take off contaminated clothing and wash it r for several minutes. Remove contact lenses, if present irritation persists: Get medical attention.		

## 3. Composition/Information on Ingredients

Chemical name	Common name and synonyms	CAS number	%
Amines, C10-16 alkyldimethyl, N-oxides		70592-80-2	0.1-1*
Ethanol, 2-butoxy-		111-76-2	3 - 7*
Poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy-		34398-01-1	1 - 5*
Sodium xylene sulphonate		1300-72-7	1-5*

secret in accordance with paragraph (i) of §1910.1200. \*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

	4. First Aid Measures		
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.		
Skin contact	IF ON SKIN: Wash with plenty of water. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse. Call a POISON CENTER or doctor if you feel unwell.		
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.		
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.		
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.		
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed. Treat patient symptomatically.		
General information	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.		
	5. Fire Fighting Measures		
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide.		
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.		
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.		
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.		
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.		
General fire hazards	No unusual fire or explosion hazards noted.		
Hazardous combustion products	May include and are not limited to: Oxides of carbon. Oxides of sulfur.		
	6. Accidental Release Measures		
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.		
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.		
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.		
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.		
	7. Handling and Storage		
Precautions for safe handling	Do not get in eyes, on skin, or on clothing. When using, do not eat, drink or smoke. Provide adequate ventilation. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use good industrial hygiene practices in handling this material.		

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

## 8. Exposure Controls/Personal Protection

Canada. Alberta OELs (O	ccupational Healt	h & Sa	fety Code, Sched	ule 1, Table :	2)
Components	-	Туре		•	, Value
Ethanol, 2-butoxy- (CAS 111-76-2)		TWA			97 mg/m3
					20 ppm
Safety Regulation 296/97		onal E	xposure Limits fo		Substances, Occupational Health and
Components		Туре			Value
Ethanol, 2-butoxy- (CAS 111-76-2)		TWA			20 ppm
Canada. Manitoba OELs ( Components	(Reg. 217/2006, TI	ne Wor Type	kplace Safety An		) Value
Ethanol, 2-butoxy- (CAS 111-76-2)		TWA			20 ppm
Canada. Ontario OELs. (C Components	Control of Exposu	re to E Type	Biological or Chen		) Value
Ethanol, 2-butoxy- (CAS 111-76-2)		TWA			20 ppm
Canada. Quebec OELs. (I Components	Ministry of Labor ·	· Regu Type	lation Respecting	-	of the Work Environment) Value
Ethanol, 2-butoxy- (CAS		TWA			97 mg/m3
111-76-2)					20 ppm
US. OSHA Table Z-1 Limi Components	ts for Air Contami	inants Type	(29 CFR 1910.100	-	Value
Ethanol, 2-butoxy- (CAS 111-76-2)		PEL			240 mg/m3
					50 ppm
US. ACGIH Threshold Lin Components	nit Values	Туре			Value
Ethanol, 2-butoxy- (CAS 111-76-2)		TWA			20 ppm
US. NIOSH: Pocket Guide Components	e to Chemical Haz	ards Type			Value
Ethanol, 2-butoxy- (CAS		TWA			24 mg/m3
111-76-2)					5 ppm
ogical limit values					
ACGIH Biological Exposu Components	ure Indices Value		Determinant	Specimen	Sampling Time
Ethanol, 2-butoxy- (CAS 111-76-2)	200 mg/g		Butoxyacetic acid (BAA), with hydrolysis	Creatinine in urine	*
* - For sampling details, ple	ease see the sourc	e docu	ment.		
·					
osure guidelines	e to Chemical Haz	ards			
-			Can be		ough the skin.
osure guidelines US. NIOSH: Pocket Guide Ethanol, 2-butoxy- (CA US. OSHA Table Z-1 Limi	AS 111-76-2)	inants		0)	
US. NIOSH: Pocket Guide Ethanol, 2-butoxy- (CA	AS 111-76-2) ts for Air Contami	inants	(29 CFR 1910.100	-	ough the skin.

Eye/face protection	Wear safety glasses with side shields.
Skin protection	
Hand protection	Impervious gloves. Confirm with reputable supplier first.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. As required by employer code.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).
Thermal hazards	Not applicable.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

9. Physical and Chemical Properties		
Appearance	Clear	
Physical state	Liquid.	
Form	Liquid.	
Color	Green	
Odor	butyl	
Odor threshold	Not available.	
рН	7.5	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	Not available.	
Pour point	Not available.	
Specific gravity	Not available.	
Partition coefficient (n-octanol/water)	Not available	
Flash point	Not available	
Evaporation rate	Not available	
Flammability (solid, gas)	Not applicable.	
Upper/lower flammability or exp	losive limits	
Flammability limit - lower (%)	Not available	
Flammability limit - upper (%)	Not available	
Explosive limit - lower (%)	Not available.	
Explosive limit - upper (%)	Not available.	
Vapor pressure	Not available	
Vapor density	Not available	
Relative density	Not available.	
Solubility(ies)	Not available.	
Auto-ignition temperature	Not available	
Decomposition temperature	Not available.	
Viscosity	Not available.	
Other information		
Explosive properties	Not explosive.	
Oxidizing properties	Not oxidizing.	
Percent volatile	Not available	
	10. Stability and Reactivity	
Reactivity	This product may react with strong oxidizing agents.	
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.	
Chemical stability	Material is stable under normal conditions.	

## 11. Toxicological Information

	11. I oxicological Infor	mation		
Routes of exposure	Eye, Skin contact, Skin absorption, Inhala	Eye, Skin contact, Skin absorption, Inhalation, Ingestion.		
Information on likely routes of	exposure			
Ingestion	May cause stomach distress, nausea or v	omiting.		
Inhalation	Prolonged inhalation may be harmful.			
Skin contact	Harmful in contact with skin.			
	prolonged. These effects have not been of	the skin in toxic amounts if contact is repeated and observed in humans.		
Eye contact	Causes serious eye irritation.			
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.			
Information on toxicological eff	fects			
Acute toxicity	Harmful in contact with skin.			
Components	Species	Test Results		
Amines, C10-16 alkyldimethyl, N-	-oxides (CAS 70592-80-2)			
<b>Acute</b> Dermal LD50	Not available			
Inhalation LC50	Not available			
<i>Oral</i> LD50	Rat	1330 mg/kg, Charlotte Products		
Ethanol, 2-butoxy- (CAS 111-76-	2)			
Acute				
Dermal				
LD50	Guinea pig	7.3 ml/kg, 4 Days, ECHA		
		0.3 ml/kg, 24 Hours, ECHA		
		0.2 ml/kg, 24 Hours, ECHA		
	Rabbit	> 2000 mg/kg, 24 Hours, ECHA		
		1060 mg/kg, 24 Hours, ECHA		
		841 mg/kg, 24 Hours, ECHA		
		667 mg/kg, 24 Hours, ECHA		
		560 ml/kg, 24 Hours, ECHA		
		450 ml/kg, 24 Hours, ECHA		
		435 mg/kg, 24 Hours, ECHA		
		400 mg/kg, HSDB		
		0.7 ml/kg, 24 Hours, ECHA		
		0.6 ml/kg, ECHA		
	Pot	-		
	Rat	> 2000 mg/kg, 24 Hours, ECHA		
Inhalation LC50	Mouse	700 mg/L, 7 Hours, HSDB		
2000	Modoo			
	Dabhit	700 ppm, 7 Hours, HSDB		
	Rabbit	400 ppm, 7 Hours, ECHA		
	Rat	> 900 ppm, ECHA		
		> 800 ppm, 4 Hours, ECHA		
		900 ppm, ECHA		

Components	Species	Test Results
		800 ppm, 4 Hours, ECHA
		486 ppm, 4 Hours, ECHA
<b>•</b> <i>i</i>		450 ppm, 4 Hours, ECHA
<i>Oral</i> LD50	Dog	> 695 mg/kg, ECHA
	Guinea pig	1414 mg/kg
		1200 mg/kg, ECHA
	Mouse	2005 mg/kg, ECHA
		1519 mg/kg
		1200 mg/kg, HSDB
	Rabbit	320 mg/kg, HMIRA
	Rat	1000 - 2000 mg/kg, ECHA
		560 - 3000 mg/kg, ECHA
		530 - 2800 mg/kg
		2600 mg/kg, ECHA
		2420 mg/kg, ECHA
		1746 mg/kg
		1480 mg/kg, ECHA
		880 mg/kg, ECHA
		615 mg/kg, ECHA
Poly(oxy-1,2-ethanediyl), alpha <b>Acute</b>	-undecyl-omega-hydroxy- (CAS 34398-01-1)	
Dermal	Dates	
LD50	Rabbit	> 2000 mg/kg, West Penetone
Inhalation LC50	Not available	
Oral LD50		> 1400 mg/kg, Koch Membrane System
	Rabbit	
	Rabbit	> 2000 mg/kg, West Penetone
	Rat	
Sodium xylene sulphonate (CA	Rat	> 2000 mg/kg, West Penetone
	Rat	> 2000 mg/kg, West Penetone
Sodium xylene sulphonate (CA <b>Acute</b>	Rat	> 2000 mg/kg, West Penetone
Sodium xylene sulphonate (CA <b>Acute</b> Dermal	Rat S 1300-72-7)	> 2000 mg/kg, West Penetone 1700 mg/kg, West Penetone >= 2000 mg/kg, 24 Hours, ECHA
Sodium xylene sulphonate (CA <b>Acute</b> <i>Dermal</i> LD50	Rat S 1300-72-7)	> 2000 mg/kg, West Penetone 1700 mg/kg, West Penetone
Sodium xylene sulphonate (CA <b>Acute</b> <i>Dermal</i> LD50 <i>Inhalation</i> LC50 <i>Oral</i>	Rat S 1300-72-7) Rabbit Rat	<ul> <li>&gt; 2000 mg/kg, West Penetone</li> <li>1700 mg/kg, West Penetone</li> <li>&gt;= 2000 mg/kg, 24 Hours, ECHA</li> <li>&gt; 6.4 mg/L, 232 Minutes, ECHA</li> </ul>
Sodium xylene sulphonate (CA <b>Acute</b> <i>Dermal</i> LD50 <i>Inhalation</i> LC50	Rat S 1300-72-7) Rabbit	> 2000 mg/kg, West Penetone 1700 mg/kg, West Penetone >= 2000 mg/kg, 24 Hours, ECHA > 6.4 mg/L, 232 Minutes, ECHA > 7000 mg/kg, ECHA
Sodium xylene sulphonate (CA <b>Acute</b> <i>Dermal</i> LD50 <i>Inhalation</i> LC50 <i>Oral</i>	Rat S 1300-72-7) Rabbit Rat	<ul> <li>&gt; 2000 mg/kg, West Penetone</li> <li>1700 mg/kg, West Penetone</li> <li>&gt;= 2000 mg/kg, 24 Hours, ECHA</li> <li>&gt; 6.4 mg/L, 232 Minutes, ECHA</li> <li>&gt; 7000 mg/kg, ECHA</li> <li>&gt; 5250 mg/kg, ECHA</li> </ul>
Sodium xylene sulphonate (CA <b>Acute</b> <i>Dermal</i> LD50 <i>Inhalation</i> LC50 <i>Oral</i>	Rat S 1300-72-7) Rabbit Rat	<ul> <li>&gt; 2000 mg/kg, West Penetone</li> <li>1700 mg/kg, West Penetone</li> <li>&gt;= 2000 mg/kg, 24 Hours, ECHA</li> <li>&gt; 6.4 mg/L, 232 Minutes, ECHA</li> <li>&gt; 7000 mg/kg, ECHA</li> <li>&gt; 5250 mg/kg, ECHA</li> <li>&gt; 3000 mg/kg, ECHA</li> </ul>
Sodium xylene sulphonate (CA <b>Acute</b> <i>Dermal</i> LD50 <i>Inhalation</i> LC50 <i>Oral</i>	Rat S 1300-72-7) Rabbit Rat	<ul> <li>&gt; 2000 mg/kg, West Penetone</li> <li>1700 mg/kg, West Penetone</li> <li>&gt;= 2000 mg/kg, 24 Hours, ECHA</li> <li>&gt; 6.4 mg/L, 232 Minutes, ECHA</li> <li>&gt; 7000 mg/kg, ECHA</li> <li>&gt; 5250 mg/kg, ECHA</li> <li>&gt; 3000 mg/kg, ECHA</li> <li>&gt;= 7200 mg/kg, ECHA</li> </ul>
Sodium xylene sulphonate (CA <b>Acute</b> <i>Dermal</i> LD50 <i>Inhalation</i> LC50 <i>Oral</i>	Rat S 1300-72-7) Rabbit Rat	<ul> <li>&gt; 2000 mg/kg, West Penetone</li> <li>1700 mg/kg, West Penetone</li> <li>&gt;= 2000 mg/kg, 24 Hours, ECHA</li> <li>&gt; 6.4 mg/L, 232 Minutes, ECHA</li> <li>&gt; 7000 mg/kg, ECHA</li> <li>&gt; 5250 mg/kg, ECHA</li> <li>&gt; 3000 mg/kg, ECHA</li> <li>&gt;= 7200 mg/kg, ECHA</li> <li>6500 mg/kg, OECD SIDS</li> </ul>
Sodium xylene sulphonate (CA <b>Acute</b> <i>Dermal</i> LD50 <i>Inhalation</i> LC50 <i>Oral</i>	Rat S 1300-72-7) Rabbit Rat	<ul> <li>&gt; 2000 mg/kg, West Penetone</li> <li>1700 mg/kg, West Penetone</li> <li>&gt;= 2000 mg/kg, 24 Hours, ECHA</li> <li>&gt; 6.4 mg/L, 232 Minutes, ECHA</li> <li>&gt; 7000 mg/kg, ECHA</li> <li>&gt; 5250 mg/kg, ECHA</li> <li>&gt; 3000 mg/kg, ECHA</li> <li>&gt; 3000 mg/kg, ECHA</li> <li>&gt; 7200 mg/kg, ECHA</li> <li>&gt; 3000 mg/kg, ECHA</li> <li>&gt; 3346 mg/kg, ECHA</li> </ul>
Sodium xylene sulphonate (CA Acute Dermal LD50 Inhalation LC50 Oral LD50	Rat S 1300-72-7) Rabbit Rat Rat	<ul> <li>&gt; 2000 mg/kg, West Penetone</li> <li>1700 mg/kg, West Penetone</li> <li>&gt;= 2000 mg/kg, 24 Hours, ECHA</li> <li>&gt; 6.4 mg/L, 232 Minutes, ECHA</li> <li>&gt; 7000 mg/kg, ECHA</li> <li>&gt; 5250 mg/kg, ECHA</li> <li>&gt; 3000 mg/kg, ECHA</li> <li>&gt;= 7200 mg/kg, ECHA</li> <li>6500 mg/kg, OECD SIDS</li> <li>&gt;= 3346 mg/kg, ECHA</li> <li>&gt;= 16.2 g/kg, ECHA</li> </ul>
Sodium xylene sulphonate (CA Acute Dermal LD50 Inhalation LC50 Oral LD50 Skin corrosion/irritation	Rat S 1300-72-7) Rabbit Rat Rat Prolonged skin contact may cause temp	<ul> <li>&gt; 2000 mg/kg, West Penetone</li> <li>1700 mg/kg, West Penetone</li> <li>&gt;= 2000 mg/kg, 24 Hours, ECHA</li> <li>&gt; 6.4 mg/L, 232 Minutes, ECHA</li> <li>&gt; 7000 mg/kg, ECHA</li> <li>&gt; 5250 mg/kg, ECHA</li> <li>&gt; 3000 mg/kg, ECHA</li> <li>&gt;= 7200 mg/kg, ECHA</li> <li>6500 mg/kg, OECD SIDS</li> <li>&gt;= 3346 mg/kg, ECHA</li> <li>&gt;= 16.2 g/kg, ECHA</li> </ul>
Sodium xylene sulphonate (CA Acute Dermal LD50 Inhalation LC50 Oral LD50 Skin corrosion/irritation Exposure minutes	Rat S 1300-72-7) Rabbit Rat Rat Prolonged skin contact may cause temp Not available.	<ul> <li>&gt; 2000 mg/kg, West Penetone</li> <li>1700 mg/kg, West Penetone</li> <li>&gt;= 2000 mg/kg, 24 Hours, ECHA</li> <li>&gt; 6.4 mg/L, 232 Minutes, ECHA</li> <li>&gt; 7000 mg/kg, ECHA</li> <li>&gt; 5250 mg/kg, ECHA</li> <li>&gt; 3000 mg/kg, ECHA</li> <li>&gt;= 7200 mg/kg, ECHA</li> <li>6500 mg/kg, OECD SIDS</li> <li>&gt;= 3346 mg/kg, ECHA</li> <li>&gt;= 16.2 g/kg, ECHA</li> </ul>
Sodium xylene sulphonate (CA Acute Dermal LD50 Inhalation LC50 Oral LD50 Skin corrosion/irritation	Rat S 1300-72-7) Rabbit Rat Rat Prolonged skin contact may cause temp	<ul> <li>&gt; 2000 mg/kg, West Penetone</li> <li>1700 mg/kg, West Penetone</li> <li>&gt;= 2000 mg/kg, 24 Hours, ECHA</li> <li>&gt; 6.4 mg/L, 232 Minutes, ECHA</li> <li>&gt; 7000 mg/kg, ECHA</li> <li>&gt; 5250 mg/kg, ECHA</li> <li>&gt; 3000 mg/kg, ECHA</li> <li>&gt;= 7200 mg/kg, ECHA</li> <li>6500 mg/kg, OECD SIDS</li> <li>&gt;= 3346 mg/kg, ECHA</li> <li>&gt;= 16.2 g/kg, ECHA</li> </ul>

Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitization	1	
Canada - Alberta OELs: Irrita	ant	
Ethanol, 2-butoxy- (CAS	111-76-2)	Irritant
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to	o cause skin sensitization.
Mutagenicity	No data available to indicate p mutagenic or genotoxic.	roduct or any components present at greater than 0.1% are
Carcinogenicity	See below.	
ACGIH Carcinogens		
Ethanol, 2-butoxy- (CAS	111-76-2)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Canada - Manitoba OELs: ca	rcinogenicity	
2-BUTOXYETHANOL (EC IARC Monographs. Overall E	GBE) (CAS 111-76-2) Evaluation of Carcinogenicity	Confirmed animal carcinogen with unknown relevance to humans.
Ethanol, 2-butoxy- (CAS US. OSHA Specifically Regu	111-76-2) I <mark>lated Substances (29 CFR 19</mark> 1	Volume 88 - 3 Not classifiable as to carcinogenicity to humans. I0.1001-1050)
Not listed.		
Reproductive toxicity	This product is not expected to	o cause reproductive or developmental effects.
Teratogenicity	Not available.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	May be harmful if absorbed th	rough skin. Prolonged inhalation may be harmful.
		orbed through the skin in toxic amounts if contact is repeated and e not been observed in humans.

12	Ecolog	leair	Inform	nation
	LCOIDU	ncai		lation

Ecotoxicity	See below				
Ecotoxicological data Components		Species	Test Results		
Ethanol, 2-butoxy- (CAS 111-76-	2)				
Crustacea	EC50	Daphnia	1819 mg/L, 48 Hours		
Aquatic					
Fish	LC50	Inland silverside (Menidia beryllina)	1250 mg/L, 96 hours		
Poly(oxy-1,2-ethanediyl), alpha-u	indecyl-omega-hy	/droxy- (CAS 34398-01-1)			
Aquatic					
Crustacea	EC50	Water flea (Daphnia magna)	1.6 - 2.5 mg/L, 48 hours		
Fish	LC50	Fathead minnow (Pimephales promelas)	3.2 - 5 mg/L, 96 hours		
Persistence and degradability	No data is ava	ailable on the degradability of this product.			
Bioaccumulative potential					
Mobility in soil	No data availa	able.			
Mobility in general	Not available.	Not available.			
Other adverse effects		erse environmental effects (e.g. ozone depl ocrine disruption, global warming potential)			
	1	3. Disposal Considerations			
Disposal instructions		claim or dispose in sealed containers at lic ainer in accordance with local/regional/national			

Local disposal regulations	Dispose in accordance with all applicable reg	ulations			
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste				
	disposal company.				
Waste from residues / unused products		ns. Empty containers or liners may retain some ther must be disposed of in a safe manner (see:			
Contaminated packaging	g Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.				
	14. Transport Information	on			
Transport of Development Coods	•				
Transport of Dangerous Goods (TDG) Proof of Classification	Classification Method: Classified as per Part 2 Dangerous Goods Regulations. If applicable, product will appear below.	the technical name and the classification of the			
U.S. Department of Transportation					
Not regulated as dangerous g					
Transportation of Dangerous Go Not regulated as dangerous g					
	15. Regulatory Informati	on			
Canadian federal regulations	This product has been classified in accordance contains all the information required by the HI	e with the hazard criteria of the HPR and the SDS PR.			
Canada CEPA Schedule I: Li	sted substance				
Ethanol, 2-butoxy- (CAS 2		ting through a laff doublification. Number			
Ethanol, 2-butoxy- (CAS	litional Reporting Requirements: Mass repo 11-76-2) 1 TONNES	rung mesholo/identification Number			
	List (Second List): Listed substance				
Ethanol, 2-butoxy- (CAS 2 Export Control List (CEPA 1	,				
Not listed. Greenhouse Gases					
Not listed. Precursor Control Regulatio	ns				
Not regulated. WHMIS 2015 Exemptions	Not applicable				
US federal regulations	This product is a "Hazardous Chemical" as de Standard, 29 CFR 1910.1200.	fined by the OSHA Hazard Communication			
	All chemicals used are on the TSCA inventory	Ι.			
	otification (40 CFR 707, Subpt. D)				
Not regulated. CERCLA Hazardous Substa	nce List (40 CFR 302.4)				
Ethanol, 2-butoxy- (CAS					
	ated Substances (29 CFR 1910.1001-1050)				
Not listed.					
Superfund Amendments and Rea Hazard categories	Inthorization Act of 1986 (SARA) Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No				
SARA 302 Extremely hazardous substance	Reactivity Hazard - No No				
SARA 311/312 Hazardous chemical	No				
SARA 313 (TRI reporting) Chemical name	CAS number	% by wt.			
Ethanol, 2-butoxy-	111-76-2	3 - 7*			
Other federal regulations					

Clean Air Act (CAA) Sectior	n 112(r) Accidental Release Pro	evention (40 CFR 68.130)	
Not regulated.			
US state regulations	See below		
US - California Hazardo	ous Substances (Director's): Li	isted substance	
Ethanol, 2-butoxy- (CAS 111-76-2) US - Illinois Chemical Safety Act: Listed substance		Listed.	
Ethanol, 2-butoxy- ( US - Louisiana Spill Re	CAS 111-76-2) porting: Listed substance		
Ethanol, 2-butoxy- ( <b>US - Minnesota Haz Su</b>		Listed.	
Ethanol, 2-butoxy- ( <b>US - New Jersey RTK -</b>	CAS 111-76-2) Substances: Listed substance	Listed. e	
Ethanol, 2-butoxy- ( <b>US - Texas Effects Scr</b> e	CAS 111-76-2) eening Levels: Listed substand	ce	
Amines, C10-16 alk 70592-80-2)	yldimethyl, N-oxides (CAS	Listed.	
Ethanol, 2-butoxy- (	Ethanol, 2-butoxy- (CAS 111-76-2)		
	Poly(oxy-1,2-ethanediyl),		
	alpha-undecyl-omega-hydroxy- (CAS 34398-01-1) Sodium xylene sulphonate (CAS 1300-72-7)		
US. Massachusetts RT	· · · · · · · · · · · · · · · · · · ·		
Ethanol, 2-butoxy- (			
US. New Jersey Worke	r and Community Right-to-Kno	ow Act	
Ethanol, 2-butoxy- (		_	
•	ker and Community Right-to-K	now Law	
Ethanol, 2-butoxy- ( US. Rhode Island RTK	CAS 111-76-2)		
Ethanol, 2-butoxy- (	CAS 111-76-2)		
US. California Proposition 6			
Not Listed.	55		
Inventory status			
Country(s) or region	Inventory name		On inventory (yes/no)*
Canada	Domestic Substances List (DS	SI.)	Yes
Canada	Non-Domestic Substances List	,	No
United States & Puerto Rico	Toxic Substances Control Act		Yes
		e inventory requirements administered by the gov	

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
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Prepared by	Nu-Calgon Technical Service Phone: (314) 469-7000
Other information	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

## 16. Other Information

