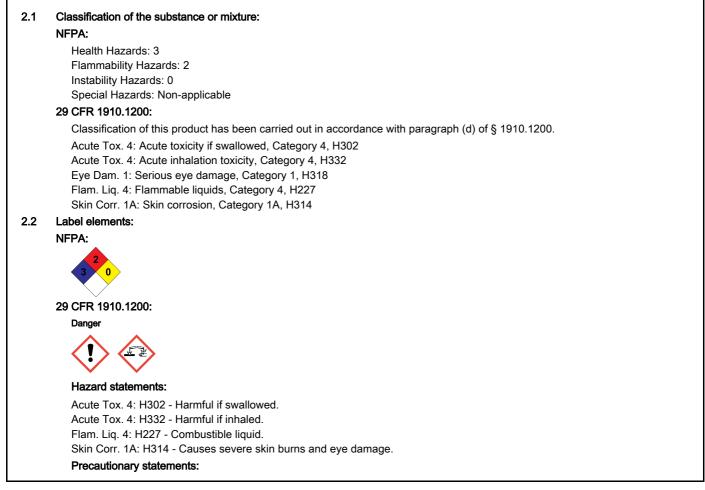




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	Other means of identification:
	Non-applicable
1.2	Recommended use of the chemical and restrictions on use:
	Relevant uses: Chemical cleaning products
	High lubricity detergent mixture for commercial car washes.
	Uses advised against: All uses not specified in this section or in section 7.3
1.3	Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:
	National Carwash Solutions
	1997 American Blvd
	54115 De Pere - United States
	Phone: 9203372175 - Fax: 9203379410
1.4	http://cleaningsystemsinc.com Emergency phone number: 1-800-424-9300 or 1-703-527-3887





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SECTION 2: HAZARD(S) IDENTIFICATION (continued)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves/protective clothing/eye protection/protective footwear.

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P370+P378: In case of fire: Use ABC powder extinguisher to put it out.

P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Substances that contribute to the classification

Dodecylbenzenesulphonic acid; 2-butoxyethanol; Ethanediol; sulphuric acid

Acute Toxicity Estimate (ATE mix):

0 % (oral), 72.29 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

Additional labeling:

Keep out of the reach of children

2.3 Hazards not otherwise classified (HNOC):

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Non-applicable

3.2 Mixtures:

Chemical description: Aqueous mixture composed of chemical products for cleaning products

Components:

Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

	Identification	Chemical name/Classification	Concentration
040	07470 07 0	Dodecylbenzenesulphonic acid	35 - <65 %
CAS:	27176-87-0	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	35 - <05 %
	444 70 0	2-butoxyethanol	45 405 0/
CAS:	111-76-2	Acute Tox. 4: H302+H332; Eye Irrit. 2A: H319; Flam. Liq. 4: H227; Skin Irrit. 2: H315 - Warning	15 - <35 %
	407.04.4	Ethanediol	E 440 W
CAS:	107-21-1	Acute Tox. 4: H302 - Warning	5 - <10 %
To ob	tain mara informat	ion on the bazards of the substances consult sections 11, 12 and 16	

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary measures:

Request medical assistance immediately, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:





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SECTION 4: FIRST-AID MEASURES (continued)

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and its inhalation, to the respiratory system. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administrate anything orally unless supervised by a doctor. Keep the person affected at rest.

4.2 Most important symptoms/effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Non-applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:

Combustible liquid. If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

See section 8.

6.2 **Environmental precautions:**





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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

The characteristic of corrosivity per RCRA could apply to the unused product if it becomes a waste material. The EPA hazardous waste number D002 could apply. It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing.

6.3 Methods and materials for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current standards 29 CFR 1910 Occupational Safety and Health Standards. Maintain order, cleanliness and destroy using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 24.8 °F

Maximum Temp.: 120 °F

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

7.2

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

Identification			Occupational exposure limits		
2-butoxyethanol			8-hour TWA PEL	50 ppm	240 mg/m ³
CAS: 111-76-2			Ceiling Values - TWA PEL		
sulphuric acid			8-hour TWA PEL		1 mg/m ³
CAS: 7664-93-9			Ceiling Values - TWA PEL		
2-aminoethanol			8-hour TWA PEL	3 ppm	6 mg/m ³
CAS: 141-43-5			Ceiling Values - TWA PEL		





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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

US. ACGIH Threshold Limit Values (2022):

Identification	Occupational exposure limits		
2-butoxyethanol	TLV-TWA	20 ppm	
CAS: 111-76-2	TLV-STEL		
sulphuric acid	TLV-TWA		0.2 mg/m ³
CAS: 7664-93-9	TLV-STEL		
Ethanediol	TLV-TWA		10 mg/m ³
CAS: 107-21-1	TLV-STEL		20 mg/m ³
prop-2-yn-1-ol	TLV-TWA	1 ppm	
CAS: 107-19-7	TLV-STEL		
2-aminoethanol	TLV-TWA	3 ppm	
CAS: 141-43-5	TLV-STEL	6 ppm	
2,2'-iminodiethanol	TLV-TWA		2 mg/m ³
CAS: 111-42-2	TLV-STEL		

CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:

Identification		Occupational exposure limits		
2-butoxyethanol	PEL	EL	20 ppm	97 mg/m ³
CAS: 111-76-2	STE	EL		
sulphuric acid	PEL	EL		0.1 mg/m ³
CAS: 7664-93-9	STE	EL		3 mg/m ³
Ethanediol	PEL	EL	40 ppm	100 mg/m ³
CAS: 107-21-1	STE	EL	40 ppm	100 mg/m ³
prop-2-yn-1-ol	PEL	EL	1 ppm	2 mg/m ³
CAS: 107-19-7	STE	EL		
2-aminoethanol	PEL	EL	3 ppm	8 mg/m ³
CAS: 141-43-5	STE	EL	6 ppm	15 mg/m ³
2,2'-iminodiethanol	PEL	EL	0.46 ppm	2 mg/m ³
CAS: 111-42-2	STE	EL		

Biological limit values:

Biological Exposure Indices (BEIs®) - ACGIH

Identification	BEIs®	Determinant	Sampling Time
2-butoxyethanol CAS: 111-76-2	200 mg/g (NULL)	Butoxyacetic acid (BAA) in urine	End of shift

8.2 Appropriate engineering controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
Mandatory hand protection	Protective gloves against minor risks	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional /industrial users, we recommend using chemical protection gloves. Use gloves in accordance with manufacturer's use limitations and OSHA standard 1910.138 (29CFR)
•	a mixture of several substances, the res d has therefore to be checked prior to th	sistance of the glove material can not be calculated in advance with e application.





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SECT	101	N 8: EXPOSUR	E CONTROLS/PERSONAL PRO	DTECTION (continued)			
	D	Eye and face prot	ection				
		Pictogram	PPE	F	Remarks		
		Mandatory face protection	Panoramic glasses against splash/projections	c glasses against splash/projections. Use if there is a risk of splashing. Use this PPE in accor use limitations and OSHA standard 1910.			
	E	Bodily protection					
		Pictogram	PPE	Remarks			
			Work clothing	Replace before any	v evidence of deterioration.		
			Anti-slip work shoes	Replace before any evidence of deterioration.			
F Additional emergency measures							
		Emergency mea	asure Standards	Emergency measure	Standards		
		Emergency sho	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2 ower	2011 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011		
	Environmental exposure controls: In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D 40 CFR Part 59 (VOC): V.O.C.(weight-percent): 34.86 % weight V.O.C. at 68 °F: 383.32 kg/m³ (383.32 g/L)						
SECT 9.1	Info For	ormation on basic	AND CHEMICAL PROPERTIES	5			
	Phy	vsical state at 68 °	F: Liq	uid			
		bearance:		nsparent			
	Col			ange			
	Odd	or: our threshold:		t available n-applicable *			
		atility:	INU	п-аррисаріе			
		ling point at atmos	pheric pressure: 352	2 °F			
		our pressure at 6					
	-	oour pressure at 1		3.26 Pa (0.6 kPa)			
	Eva	aporation rate at 68	8 °F: No	n-applicable *			
	Pro	duct description:					
	Der	nsity at 68 °F:	109	97.9 kg/m³			
	Rel	ative density at 68	s°F: 1.0	98			
	*Not	relevant due to the na	ature of the product, not providing information p	property of its hazards.			





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SEC	TION 9: PHYSICAL AND CHEMICAL PROPER	RTIES (continued)
	Dynamic viscosity at 68 °F:	Non-applicable *
	Kinematic viscosity at 68 °F:	Non-applicable *
	Kinematic viscosity at 104 °F:	Non-applicable *
	Concentration:	Non-applicable *
	pH:	<1
	Vapour density at 68 °F:	Non-applicable *
	Partition coefficient n-octanol/water 68 °F:	Non-applicable *
	Solubility in water at 68 °F:	Non-applicable *
	Solubility properties:	Non-applicable *
	Decomposition temperature:	Non-applicable *
	Melting point/freezing point:	Non-applicable *
	Flammability:	
	Flash Point:	184 °F
	Flammability (solid, gas):	Non-applicable *
	Autoignition temperature:	239 °F
	Lower flammability limit:	Non-applicable *
	Upper flammability limit:	Non-applicable *
	Particle characteristics:	
	Median equivalent diameter:	Non-applicable
9.2	Other information:	
	Information with regard to physical hazard classes:	
	Explosive properties:	Non-applicable *
	Oxidising properties:	Non-applicable *
	Corrosive to metals:	Non-applicable *
	Heat of combustion:	Non-applicable *
	Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
	Other safety characteristics:	
	Surface tension at 68 °F:	Non-applicable *
	Refraction index:	Non-applicable *
	*Not relevant due to the nature of the product, not providing inform	nation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others





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SECT	SECTION 10: STABILITY AND REACTIVITY (continued)						
-							
	Not applicable	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases		

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. With possibility of effects that are hazardous to the health, it is recommended not to breathe the vapours for long periods of time.

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

- Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.

B- Inhalation (acute effect):

- Acute toxicity : Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
 - Contact with the eyes: Produces serious eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
 - IARC: 2-butoxyethanol (3); 2,2'-iminodiethanol (2B)

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- F- Specific target organ toxicity (STOT) single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as

hazardous for this effect. For more information see section 3.





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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	A	Acute toxicity		
2-butoxyethanol	LD50 oral	1200 mg/kg	Rat	
CAS: 111-76-2	LD50 dermal	3000 mg/kg	Rabbit	
	LC50 inhalation	11 mg/L (ATEi)		
Ethanediol	LD50 oral	500 mg/kg	Rat	
CAS: 107-21-1	LD50 dermal	>5000 mg/kg	Rabbit	
	LC50 inhalation	Non-applicable		
Dodecylbenzenesulphonic acid	LD50 oral	890 mg/kg	Rat	
CAS: 27176-87-0	LD50 dermal	Non-applicable		
	LC50 inhalation	Non-applicable		

Acute Toxicity Estimate (ATE mix):

	Ingredient(s) of unknown toxicity	
Oral	906.8 mg/kg (Calculation method)	0 %
Dermal	>5000 mg/kg (Calculation method)	Non-applicable
Inhalation	11.52 mg/L (4 h) (Calculation method)	72.29 %

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Ecotoxicity (aquatic and terrestrial, where available):

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecylbenzenesulphonic acid	LC50	5 mg/L (48 h)	Leuciscus idus	Fish
CAS: 27176-87-0	EC50	5.9 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		





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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification			Concentration		Speci	es	Genus
2-butoxyethanol		LC50	1490 mg/L (96 h)		Lepomis ma	crochirus	Fish
CAS: 111-76-2		EC50	1815 mg/L (48 h)		Daphnia ı	nagna	Crustacear
		EC50	911 mg/L (72 h)		Pseudokirchnerie	lla subcapitata	Algae
Ethanediol		LC50	53000 mg/L (96 h)		Pimephales	promelas	Fish
CAS: 107-21-1		EC50	51000 mg/L (48 h)		Daphnia ı	nagna	Crustacear
		EC50	24000 mg/L (168 h)		Selenastrum ca	pricornutum	Algae
Chronic toxicity:							
Identification			Concentration		Speci	es	Genus
Dodecylbenzenesulphonic acid		NOEC	1.121 mg/L		N/A	L	Fish
CAS: 27176-87-0		NOEC	1.369 mg/L		N/A	L.	Crustacear
2-butoxyethanol		NOEC	100 mg/L		Danio r	erio	Fish
CAS: 111-76-2		NOEC	100 mg/L		Daphnia ı	nagna	Crustacea
Persistence and degradability:							
Identification		De	egradability		Biod	egradability	
2-butoxyethanol	BC	DD5	0.71 g O2/g	Conc	entration	100 n	ng/L
CAS: 111-76-2	CC	DC	2.2 g O2/g	Perio	d	14 da	iys
	BC	DD5/COD	0.32	% Bic	odegradable	96 %	
Ethanediol	BC	DD5	0.47 g O2/g	Conc	entration	100 n	ng/L
CAS: 107-21-1	CC	DD	1.29 g O2/g	Perio	d	14 da	ys
	BC	DD5/COD	0.36	% Bic	odegradable	90 %	
Bioaccumulative potential:							
Id	entification				Bioaccu	mulation poter	ntial
				BC	F	3	
2-butoxyethanol				Po	w Log	0.83	
2-butoxyethanol CAS: 111-76-2							
				Pot	tential	Low	
				Pot BC		Low 10	
CAS: 111-76-2				BC			

12.4 Mobility in soil:

Identification	Absorpti	ion/desorption	Volatility		
2-butoxyethanol	Koc	8	Henry	1.621E-1 Pa·m³/mol	
CAS: 111-76-2	Conclusion	Very High	Dry soil	No	
	Surface tension	2.729E-2 N/m (77 °F)	Moist soil	Yes	





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SECTION 12: ECOLOGICAL INFORMATION (continued)

	Identification	Absorpti	on/desorption	Volatility	
	Ethanediol	Koc	0	Henry	1.327E-1 Pa·m³/mol
	CAS: 107-21-1	Conclusion	Very High	Dry soil	No
		Surface tension	4.989E-2 N/m (77 °F)	Moist soil	No
12.5	Results of PBT and vPvB assessment:				

Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See epigraph 6.2.

Regulations related to waste management:

Legislation related to waste management:

40 CFR Part 261- IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to 49 CFR on the Transport of Dangerous Goods:

	14.1	UN number:	UN2586
	14.2	UN proper shipping name:	ALKYLSULPHONIC ACIDS, LIQUID
	14.3	Transport hazard class(es):	8
8		Labels:	8
	14.4	Packing group, if applicable:	III
	14.5	Marine pollutant:	No
	14.6	Special precautions which a user transport or conveyance either w	r needs to be aware of, or needs to comply with, in connection with ithin or outside their premises
		Physico-Chemical properties:	see section 9
		Limited quantities:	5 L
	14.7	Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	Non-applicable
Transport of da	ngerous	goods by sea:	
With regard to I	MDG 40	-20:	





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SECTION 14: TRANSP	OR	TINFORMATION (continued)
14	4.1	UN number:	UN2586
14	4.2	UN proper shipping name:	ALKYLSULPHONIC ACIDS, LIQUID
1	4.3	Transport hazard class(es):	8
		Labels:	8
14	4.4	Packing group, if applicable:	III
	4.5	Marine pollutant:	No
14	4.6	Special precautions which a user transport or conveyance either w	r needs to be aware of, or needs to comply with, in connection with ithin or outside their premises
		Special regulations:	Non-applicable
		EmS Codes:	F-A, S-B
		Physico-Chemical properties:	see section 9
		Limited quantities:	5 L
		Segregation group:	SGG1
14	4.7	Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	Non-applicable
Transport of danger	rous	goods by air:	
With regard to IATA	VICA	O 2022:	
<u> </u>	4.1	UN number:	UN2586
14	4.2	UN proper shipping name:	ALKYLSULPHONIC ACIDS, LIQUID
	4.3	Transport hazard class(es):	8
8		Labels:	8
14	4.4	Packing group, if applicable:	III
14	4.5	Marine pollutant:	No
1.	4.6	Special precautions which a user transport or conveyance either w Physico-Chemical properties:	r needs to be aware of, or needs to comply with, in connection with ithin or outside their premises see section 9
14	4.7	Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	Non-applicable

- CONTINUED ON NEXT PAGE -

15.1 Safety, health and environmental regulations specific for the product in question:





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SECTION 15: REGULATORY INFORMATION (continued)
Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): 2-butoxyethanol ; Ethanediol California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: Non-applicable The Toxic Substances Control Act (TSCA) : Dodecylbenzenesulphonic acid ; 2-butoxyethanol ; Ethanediol Massachusetts RTK - Substance List: Dodecylbenzenesulphonic acid ; 2-butoxyethanol ; Ethanediol New Jersey Worker and Community Right-to-Know Act: Dodecylbenzenesulphonic acid ; 2-butoxyethanol ; Ethanediol Pennsylvania Worker and Community Right-to-Know Law: Dodecylbenzenesulphonic acid ; 2-butoxyethanol ; Ethanediol CANADA-Domestic Substances List (DSL): Dodecylbenzenesulphonic acid ; 2-butoxyethanol ; Ethanediol CANADA-Domestic Substances List (NDSL): Non-applicable Minnesota - Hazardous substances ERTK: 2-butoxyethanol ; Ethanediol Rhode Island - Hazardous substances RTK: Dodecylbenzenesulphonic acid ; 2-butoxyethanol ; Ethanediol OSHA Specifically Regulated Substances (29 CFR 1910.1001.1096): Non-applicable Hazardous Air Pollutants (Clean Air Act): 2-butoxyethanol ; Ethanediol CALIFORNIA LABOR CODE - The Hazardous Substances List: Dodecylbenzenesulphonic acid ; 2-butoxyethanol ; Ethanediol California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: Ethanediol Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: Dodecylbenzenesulphonic acid (1000 pounds) ; 2-butoxyethanol (1 pounds) ; Ethanediol (5000 pounds)
Specific provisions in terms of protecting people or the environment:
It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

Take into consideration other applicable federal, state, and local laws and local regulations.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

Texts of the legislative phrases mentioned in section 2:

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H302: Harmful if swallowed.

H332: Harmful if inhaled.

H227: Combustible liquid.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

29 CFR 1910.1200:

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.

Eye Irrit. 2A: H319 - Causes serious eye irritation.

Flam. Liq. 4: H227 - Combustible liquid.

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

Occupational Safety & Health Administration (OSHA).

Abbreviations and acronyms:



3 0

UF260 - Body Shampoo 260

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IMDG: International maritime dangerous goods code IATA: International Air Transport Association ICAO: International Civil Aviation Organisation COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 CL50: Lethal Concentration 50 EC50: Effective concentration 50 Log-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon IARC: International Agency for Research on Cancer

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Manufacturer Disclaimer: The information contained in this safety date sheet ("SDS") is based on sources, technical knowledge and current legislation. Furthermore, is based on data believed to be accurate; thus, the company does not assume any liability for its accuracy. The information provided herein cannot be considered a guarantee of the properties of this product and the same is simply a description of the security requirements. The use, occupational methodology and/or conditions for users of this product are not within our awareness or control. It is ultimately the responsibility of the user(s) to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information of this SDS only refers to this product is used and whether there is any infringement of patents is the sole responsibility of the user(s).

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