

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Motivity Low pH Presoak Plus

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Motivity
900 Mendelssohn Ave N
Golden Valley, MN, 55427
USA
T 800-636-7990

1.4. Emergency telephone number

Emergency number : 1-800-424-9300 (CHEMTREC)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Acute toxicity (inhalation:dust,mist) Category 4	H332	Harmful if inhaled
Skin corrosion/irritation Category 1	H314	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	H318	Causes serious eye damage
Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs through prolonged or repeated exposure

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) :

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P304+P340 - If inhaled: Remove person to fresh air and keep 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.
P310 - Immediately call a poison center or doctor.
P312 - Call a poison center or doctor if you feel unwell.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
SULFURIC ACID	CAS-No.: 7664-93-9	0.1 – 15	Skin Corr. 1, H314
CARBAMATE SALT	-	10 – 15	Skin Corr. 1A, H314 Eye Dam. 1, H318
ACETIC ACID, HYDROXY	CAS-No.: 79-14-1	5 – 10	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1, H314 Eye Dam. 1, H318
SODIUM XYLENESULFONATE	CAS-No.: 1300-72-7	1 – 10	Eye Irrit. 2A, H319
BENZENESULFONIC ACID, DODECYL-	CAS-No.: 27176-87-0	1 – 10	Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314 Eye Dam. 1, H318 STOT RE 2, H373
2-BUTOXYETHANOL	CAS-No.: 111-76-2	5 – 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.

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First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling	: Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Store locked up.
Packaging materials	: Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

SULFURIC ACID (7664-93-9)

USA - ACGIH - Occupational Exposure Limits

Local name	Sulfuric acid
ACGIH OEL TWA	0.2 mg/m ³ (Thoracic fraction)
Remark (ACGIH)	TLV® Basis: Pulm func. Notations: A2 (Suspected Human Carcinogen. Classification refers to sulfuric acid contained in strong inorganic acid mists)
Regulatory reference	ACGIH 2022

USA - OSHA - Occupational Exposure Limits

Local name	Sulfuric acid
OSHA PEL TWA	1 mg/m ³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

2-BUTOXYETHANOL (111-76-2)

USA - ACGIH - Occupational Exposure Limits

Local name	2-Butoxyethanol (EGBE)
ACGIH OEL TWA	20 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI

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2-BUTOXYETHANOL (111-76-2)

Regulatory reference	ACGIH 2023
USA - ACGIH - Biological Exposure Indices	
Local name	2- BUTOXYETHANOL
BEI (BLV)	200 mg/g Kreatinin Parameter: Butoxyacetic acid (BAA) (with hydrolysis) - Medium: urine - Sampling time: End of shift
Regulatory reference	ACGIH 2023
USA - OSHA - Occupational Exposure Limits	
Local name	2-Butoxyethanol
OSHA PEL TWA	240 mg/m ³
	50 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Amber
Odor	: Acrid
Odor threshold	: No data available
pH	: 1.6 @ 1% in DI water

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Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: > 100 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.18 @ 15.6°C
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

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LD50 dermal rabbit	< g/kg
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ATE US (dust, mist)	2.299 mg/l/4h
ACETIC ACID, HYDROXY (79-14-1)	
LC50 Inhalation - Rat	3.6 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male, Experimental value, Inhalation (aerosol), 14 day(s))
LC50 Inhalation - Rat (Dust/Mist)	3.6 mg/l Source: ECHA Registered substances
ATE US (oral)	2040 mg/kg body weight
ATE US (vapors)	3.6 mg/l/4h
ATE US (dust, mist)	3.6 mg/l/4h
SODIUM XYLENESULFONATE (1300-72-7)	
LD50 dermal rabbit	> 2000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Read-across, Dermal, 14 day(s))
SULFURIC ACID (7664-93-9)	
LC50 Inhalation - Rat	0.375 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat (Dust/Mist)	0.375 mg/l Source: ECHA
ATE US (oral)	2140 mg/kg body weight
ATE US (dust, mist)	0.375 mg/l/4h
BENZENESULFONIC ACID, DODECYL- (27176-87-0)	
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Read-across, Dermal, 14 day(s))
LC50 Inhalation - Rat	0.31 mg/l air (4 h, Rat, Male, Read-across, Inhalation (aerosol), 14 day(s))
ATE US (oral)	1080 mg/kg body weight
2-BUTOXYETHANOL (111-76-2)	
LD50 oral	1414 mg/kg body weight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961
LD50 dermal rat	> 2000 mg/kg Source: ECHA
ATE US (oral)	1414 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
Skin corrosion/irritation	: Causes severe skin burns. pH: 1.6 @ 1% in DI water
ACETIC ACID, HYDROXY (79-14-1)	
pH	2 (5 %)
SODIUM XYLENESULFONATE (1300-72-7)	
pH	12 Source: GESTIS
SULFURIC ACID (7664-93-9)	
pH	0.3 Source: HSDB

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BENZENESULFONIC ACID, DODECYL- (27176-87-0)	
pH	< 1 (25 °C)
Serious eye damage/irritation	: Causes serious eye damage. pH: 1.6 @ 1% in DI water
ACETIC ACID, HYDROXY (79-14-1)	
pH	2 (5 %)
SODIUM XYLENESULFONATE (1300-72-7)	
pH	12 Source: GESTIS
SULFURIC ACID (7664-93-9)	
pH	0.3 Source: HSDB
BENZENESULFONIC ACID, DODECYL- (27176-87-0)	
pH	< 1 (25 °C)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
SULFURIC ACID (7664-93-9)	
IARC group	1 - Carcinogenic to humans
National Toxicity Program (NTP) Status	Known Human Carcinogens
2-BUTOXYETHANOL (111-76-2)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
ACETIC ACID, HYDROXY (79-14-1)	
LOAEL (oral,rat,90 days)	300 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity), Guideline: other:, Guideline: other:
NOAEL (oral,rat,90 days)	150 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity), Guideline: other:, Guideline: other:
BENZENESULFONIC ACID, DODECYL- (27176-87-0)	
LOAEL (oral,rat,90 days)	200 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
LOAEL (dermal,rat/rabbit,90 days)	286 mg/kg body weight Animal: rat, Animal sex: male
NOAEL (oral,rat,90 days)	100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (dermal,rat/rabbit,90 days)	< 286 mg/kg body weight Animal: rat, Animal sex: male
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

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2-BUTOXYETHANOL (111-76-2)	
NOAEL (dermal,rat/rabbit,90 days)	> 150 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
ACETIC ACID, HYDROXY (79-14-1)	
Viscosity, kinematic	6.149 mm²/s (23 °C, 70 % aqueous solution, OECD 114: Viscosity of Liquids)
SULFURIC ACID (7664-93-9)	
Viscosity, kinematic	11.413 mm²/s
BENZENESULFONIC ACID, DODECYL- (27176-87-0)	
Viscosity, kinematic	1613.6 mm²/s (20 °C)
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

ACETIC ACID, HYDROXY (79-14-1)	
LC50 - Fish [1]	164 mg/l (US EPA, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	141 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	44 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
SODIUM XYLENESULFONATE (1300-72-7)	
LC50 - Fish [1]	> 1000 mg/l (EPA OTS 797.1400, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	> 1000 mg/l (EPA OTS 797.1300, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 96h - Algae [1]	≥ 230 mg/l (EPA OTS 797.1050, Selenastrum capricornutum, Static system, Fresh water, Experimental value)
SULFURIC ACID (7664-93-9)	
LC50 - Fish [1]	42 mg/l (96 h, Gambusia affinis)
EC50 - Crustacea [1]	29 mg/l (24 h, Daphnia magna)
EC50 72h - Algae [1]	> 100 mg/l Source: ECHA
NOEC (chronic)	0.15 mg/l Test organisms (species): other:
NOEC chronic fish	0.31 mg/l Test organisms (species): Salvelinus fontinalis

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BENZENESULFONIC ACID, DODECYL- (27176-87-0)	
LC50 - Fish [1]	4.1 mg/l (DIN 38412-15, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	2.5 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Nominal concentration)
EC50 72h - Algae [1]	65.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	21 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	65.4 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value)

2-BUTOXYETHANOL (111-76-2)	
LC50 - Fish [1]	1474 mg/l Source: ECHA
EC50 - Crustacea [1]	1800 mg/l Source: ECHA
EC50 72h - Algae [1]	911 mg/l Source: ECHA
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 100 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'

12.2. Persistence and degradability

Motivity Low pH Presoak Plus	
Persistence and degradability	Not rapidly degradable

ACETIC ACID, HYDROXY (79-14-1)	
Persistence and degradability	Biodegradable in the soil, Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.18 g O ₂ /g substance
ThOD	0.63 g O ₂ /g substance

SODIUM XYLENESULFONATE (1300-72-7)	
Persistence and degradability	Readily biodegradable in water.

SULFURIC ACID (7664-93-9)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

BENZENESULFONIC ACID, DODECYL- (27176-87-0)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.41 g O ₂ /g substance

CARBAMATE SALT	
Persistence and degradability	Not rapidly degradable

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2-BUTOXYETHANOL (111-76-2)

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

ACETIC ACID, HYDROXY (79-14-1)

Partition coefficient n-octanol/water (Log Pow)	< 0.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
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Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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SODIUM XYLENESULFONATE (1300-72-7)

Partition coefficient n-octanol/water (Log Pow)	-3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
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Bioaccumulative potential	Not bioaccumulative.
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SULFURIC ACID (7664-93-9)

Partition coefficient n-octanol/water (Log Pow)	-2.2 (Estimated value)
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Bioaccumulative potential	Not bioaccumulative.
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BENZENESULFONIC ACID, DODECYL- (27176-87-0)

BCF - Fish [1]	65 – 96 (OECD 305: Bioconcentration: Flow-Through Fish Test, 32 day(s), Pimephales promelas, Static system, Fresh water, Experimental value, Fresh weight)
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Partition coefficient n-octanol/water (Log Pow)	1.96 (Weight of evidence approach, Equivalent or similar to OECD 107, 25 °C)
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Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
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2-BUTOXYETHANOL (111-76-2)

Partition coefficient n-octanol/water (Log Pow)	0.81 Source: ECHA
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12.4. Mobility in soil

ACETIC ACID, HYDROXY (79-14-1)

Surface tension	57 mN/m (20 °C, 70 %, OECD 115: Surface Tension of Aqueous Solutions)
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Organic Carbon Normalized Adsorption Coefficient (Log Koc)	< 1.4 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, Solution >=50%)
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Ecology - soil	Highly mobile in soil.
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SODIUM XYLENESULFONATE (1300-72-7)

Surface tension	71 mN/m (20 °C, 90 %, EU Method A.5: Surface tension)
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Ecology - soil	No (test)data on mobility of the substance available.
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BENZENESULFONIC ACID, DODECYL- (27176-87-0)

Surface tension	29.3 – 31.8 N/m (25 °C, 120 mg/l)
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Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.96 (log Koc, OECD 106: Adsorption/Desorption Using a Batch Equilibrium Method, Calculated value)
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Ecology - soil	Low potential for mobility in soil.
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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

SECTION 14: Transport information

In accordance with DOT

14.1. UN number

DOT NA No : UN3265

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Corrosive liquid, acidic, organic, n.o.s. (SULFURIC ACID, GLYCOLIC ACID)

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 8
Hazard labels (DOT) : 8



14.4. Packing group

Packing group (DOT) : II

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

UN-No.(DOT) : UN3265
DOT Packaging Exceptions (49 CFR 173.xxx) : 154
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
DOT Packaging Bulk (49 CFR 173.xxx) : 242

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
ACETIC ACID, HYDROXY	79-14-1	Present	Active	
SODIUM XYLENESULFONATE	1300-72-7	Present	Active	
SULFURIC ACID	7664-93-9	Present	Active	
BENZENESULFONIC ACID, DODECYL-	27176-87-0	Present	Active	
CARBAMATE SALT		Not present	-	
2-BUTOXYETHANOL	111-76-2	Present	Active	

SULFURIC ACID (7664-93-9)

Not subject to reporting requirements of the United States SARA Section 313

Subject to reporting requirements of United States SARA Section 313

CERCLA RQ	1000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb

BENZENESULFONIC ACID, DODECYL- (27176-87-0)

Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ	1000 lb
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15.2. International regulations

CANADA

ACETIC ACID, HYDROXY (79-14-1)

Listed on the Canadian DSL (Domestic Substances List)

SODIUM XYLENESULFONATE (1300-72-7)

Listed on the Canadian DSL (Domestic Substances List)

SULFURIC ACID (7664-93-9)

Listed on the Canadian DSL (Domestic Substances List)

BENZENESULFONIC ACID, DODECYL- (27176-87-0)

Listed on the Canadian DSL (Domestic Substances List)

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2-BUTOXYETHANOL (111-76-2)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

SULFURIC ACID (7664-93-9)

Listed as carcinogen on NTP (National Toxicology Program)

2-BUTOXYETHANOL (111-76-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Full text of H-phrases

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.