AquaVantage 815MX

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 10/4/2018 Revision date: 1/11/2022 Supersedes: 10/4/2018 Version: 3.0

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Product name	:	AquaVantage 815MX
Product code	:	111065

1.2. Recommended use and restrictions on use

Recommended use	:	Industrial, Detergent, Degreaser
Restrictions on use	:	None known

1.3. Supplier

Brulin
P.O. Box 270
Indianapolis, IN 46206 - USA
T 1.800.776.7149 - F 317.925.4596
Regulatory@brulin.com - www.brulin.com

1.4. Emergency telephone number

Emergency number	:	CHEMTREC: 1.800.424.9300 or CHEMTREC (International) 1.703.527.3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 1C	H314	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	H318	Causes serious eye damage
Carcinogenicity Category 2	H351	Suspected of causing cancer
Hazardous to the aquatic environment - Acute Hazard Category 3	H402	Harmful to aquatic life
Hazardous to the aquatic environment - Chronic Hazard Category 3	H412	Harmful to aquatic life with long lasting effects

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
H351 - Suspected of causing cancer
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS US) :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe mist, spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective clothing, eye protection, face protection, protective gloves.
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
P363 - Wash contaminated clothing before reuse.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P310 - Immediately call a POISON CENTER, a doctor.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : None known.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
4-nonylphenol, branched, ethoxylated	CAS-No.: 127087-87-0	1 – 5
sodium xylenesulfonate	CAS-No.: 1300-72-7	1 – 5
2-aminoethanol	CAS-No.: 141-43-5	1 – 5
N,N-bis(hydroxyethyl)coco amides	CAS-No.: 68603-42-9	1 – 5
Potassium Phosphate	CAS-No.: 7778-53-2	1 – 5

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. Immediately call a poison center or doctor/physician.
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 : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
Symptoms/effects after skin contact : May cause severe irreversible damage. Burns.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Burns.
Chronic symptoms : None known.

4.3. Immediate medical attention and special treatment, if necessary

Get immediate medical attention. Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire.
Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

Fire hazard : The product is non-combustible.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers.
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

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe spray, mist.

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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Collect spillage.
Methods for cleaning up : Cautiously neutralize spilled liquid. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Notify authorities if product enters sewers or public waters.
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

Precautions for safe handling : Ensure good ventilation of the work station. Do not mix with other chemicals. Do not get in eyes, on skin, or on clothing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe spray, mist.

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

Storage conditions : Keep out of the reach of children. Do not freeze. Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

AquaVantage 815MX

No additional information available

sodium xylenesulfonate (1300-72-7)

No additional information available

2-aminoethanol (141-43-5)

USA - ACGIH - Occupational Exposure Limits

Local name	Ethanolamine
ACGIH OEL TWA [ppm]	3 ppm
ACGIH OEL STEL [ppm]	6 ppm
Remark (ACGIH)	TLV® Basis: Eye & skin irr
Regulatory reference	ACGIH 2021

USA - OSHA - Occupational Exposure Limits

Local name	Ethanolamine
OSHA PEL (TWA) [1]	6 mg/m³
OSHA PEL (TWA) [2]	3 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

N,N-bis(hydroxyethyl)coco amides (68603-42-9)

No additional information available

Potassium Phosphate (7778-53-2)

No additional information available

4-nonylphenol, branched, ethoxylated (127087-87-0)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountain with clean water. Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:
Face shield. Chemical goggles

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	clear.
Color	:	Blue Green
Odor	:	Citrus
Odor threshold	:	No data available
pH	:	11.8 – 12.2
Melting point	:	32 °F
Freezing point	:	No data available
Boiling point	:	212 °F
Flash point	:	None to Boiling
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	:	No data available
Solubility	:	Soluble. Water: 100 %
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

VOC content	:	2.8 % Less Exempts and Water

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

Do not freeze. Incompatible materials. Do not mix with other chemicals.

10.5. Incompatible materials

Oxidizing agent. Acids. nitrous acid.

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) : Not classified.

sodium xylenesulfonate (1300-72-7)	
LD50 oral rat	> 7000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 6.41 mg/l (Equivalent or similar to OECD 403, 232 minutes, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))

2-aminoethanol (141-43-5)	
LD50 oral rat	1515 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value, Oral)
LD50 dermal rabbit	2504 mg/kg body weight (Equivalent or similar to OECD 402, 24 week(s), Rabbit, Male, Experimental value, Dermal)
LC50 Inhalation - Rat	1.3 mg/l/4h

N,N-bis(hydroxyethyl)coco amides (68603-42-9)	
LD50 oral rat	> 5000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 2000 mg/kg

Potassium Phosphate (7778-53-2)	
LD50 oral rat	4500 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 7940 mg/kg (Rabbit, Dermal)
LC50 Inhalation - Rat	> 0.83 mg/l/4h Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity), Guideline: other:, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: other:

4-nonylphenol, branched, ethoxylated (127087-87-0)	
LD50 oral rat	960 – 3980 mg/kg
LD50 dermal rabbit	2001 – 2991 mg/kg

Skin corrosion/irritation : Causes severe skin burns.
In vitro test data on mixture itself
pH: 11.8 – 12.2

Serious eye damage/irritation : Causes serious eye damage.
pH: 11.8 – 12.2
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.

N,N-bis(hydroxyethyl)coco amides (68603-42-9)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : Not classified
STOT-single exposure : Not classified

2-aminoethanol (141-43-5)	
STOT-single exposure	May cause respiratory irritation.

Potassium Phosphate (7778-53-2)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Potassium Phosphate (7778-53-2)	
NOAEL (oral,rat,90 days)	1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Symptoms/effects after inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
Symptoms/effects after skin contact : May cause severe irreversible damage. Burns.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Burns.
Chronic symptoms : None known.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

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)

2-aminoethanol (141-43-5)	
LC50 - Fish [1]	150 mg/l (96 h, Salmo gairdneri, Fresh water)
EC50 - Crustacea [1]	140 mg/l (24 h, Daphnia magna)

N,N-bis(hydroxyethyl)coco amides (68603-42-9)	
LC50 - Fish [1]	4 mg/l (96 h, Brachydanio rerio, Semi-static system)
EC50 - Crustacea [1]	2.39 mg/l (48 h, Daphnia pulex)

Potassium Phosphate (7778-53-2)	
LC50 - Fish [1]	750 mg/l (96 h, Gambusia affinis, Static system, Literature study)
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna

4-nonylphenol, branched, ethoxylated (127087-87-0)	
LC50 - Fish [1]	3.8 – 6.2 mg/l
EC50 - Crustacea [1]	9.3 – 21.4 mg/l

12.2. Persistence and degradability

sodium xylenesulfonate (1300-72-7)	
Persistence and degradability	Readily biodegradable in water.

2-aminoethanol (141-43-5)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.8 g O_2/g substance
Chemical oxygen demand (COD)	1.34 g O_2/g substance
ThOD	2.49 g O_2/g substance
BOD (% of ThOD)	0.32

N,N-bis(hydroxyethyl)coco amides (68603-42-9)	
Persistence and degradability	Readily biodegradable in water.

Potassium Phosphate (7778-53-2)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

4-nonylphenol, branched, ethoxylated (127087-87-0)	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in water.

12.3. Bioaccumulative potential

sodium xylenesulfonate (1300-72-7)	
Partition coefficient n-octanol/water (Log Pow)	-3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Bioaccumulative potential	Not bioaccumulative.

2-aminoethanol (141-43-5)	
BCF - Other aquatic organisms [1]	2.3 – 9.2 (BCFWIN, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	-1.91
Bioaccumulative potential	Not bioaccumulative.

N,N-bis(hydroxyethyl)coco amides (68603-42-9)	
Partition coefficient n-octanol/water (Log Pow)	3.52 (Calculated)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Potassium Phosphate (7778-53-2)	
Bioaccumulative potential	No bioaccumulation data available.

4-nonylphenol, branched, ethoxylated (127087-87-0)	
BCF - Fish [1]	5.9 – 48

4-nonylphenol, branched, ethoxylated (127087-87-0)	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 3.4
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500). Low potential for bioaccumulation (molecular mass >=700 g/mol).

12.4. Mobility in soil

sodium xylenesulfonate (1300-72-7)	
Surface tension	71 mN/m (20 °C, 90 %, EU Method A.5: Surface tension)
Partition coefficient n-octanol/water (Log Koc)	1.42 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.

2-aminoethanol (141-43-5)	
Surface tension	0.05 N/m
Partition coefficient n-octanol/water (Log Koc)	1.16 (log Koc, Calculated value)
Ecology - soil	No (test)data on mobility of the substance available.

N,N-bis(hydroxyethyl)coco amides (68603-42-9)	
Mobility in soil	45.02

Potassium Phosphate (7778-53-2)	
Mobility in soil	0.0006346 Source: EPI SUITE
Ecology - soil	No (test)data on mobility of the substance available.

4-nonylphenol, branched, ethoxylated (127087-87-0)	
Partition coefficient n-octanol/water (Log Koc)	2.631 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	No (test)data on mobility of the substance available. Low potential for adsorption in soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of in accordance with relevant local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with Department of Transport / Transportation of Dangerous Goods / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
UN3267	UN3267	3267	3267

DOT	TDG	IMDG	IATA
14.2. Proper Shipping Name			
Corrosive liquid, basic, organic, n.o.s. (2-aminoethanol)	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (2-aminoethanol)	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (2-aminoethanol)	Corrosive liquid, basic, organic, n.o.s. (2-aminoethanol)
14.3. Transport hazard class(es)			
8	8	8	8
			
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available			

14.6. Special precautions for user

DOT

DOT NA No : UN3267

DOT Special Provisions (49 CFR 172.102) : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 154

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT Vessel Stowage Location : A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.

DOT Vessel Stowage Other : 40 - Stow ‘‘clear of living quarters’’,52 - Stow ‘‘separated from’’ acids

TDG

UN-No. (TDG) : UN3267

TDG Special Provisions	:	16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS.
Explosive Limit and Limited Quantity Index	:	5 L
Excepted quantities (TDG)	:	E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	5 L
Emergency Response Guide (ERG) Number	:	153

IMDG

Special provision (IMDG)	:	223, 274
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T7
Tank special provisions (IMDG)	:	TP1, TP28
EmS-No. (Fire)	:	F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	:	S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Stowage category (IMDG)	:	A
Properties and observations (IMDG)	:	Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.

IATA

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y841
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	852
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	856
CAO max net quantity (IATA)	:	60L
Special provision (IATA)	:	A3, A803
ERG code (IATA)	:	8L

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

AquaVantage 815MX	
SARA Section 311/312 Hazard Classes	Refer to Section 2 for the OSHA Hazard Classification.

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

4-nonylphenol, branched, ethoxylated	CAS-No. 127087-87-0	1 – 5%

4-nonylphenol, branched, ethoxylated (127087-87-0)	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. International regulations

CANADA

sodium xylenesulfonate (1300-72-7)

Listed on the Canadian DSL (Domestic Substances List)

2-aminoethanol (141-43-5)

Listed on the Canadian DSL (Domestic Substances List)

N,N-bis(hydroxyethyl)coco amides (68603-42-9)

Listed on the Canadian DSL (Domestic Substances List)

Potassium Phosphate (7778-53-2)

Listed on the Canadian DSL (Domestic Substances List)

4-nonylphenol, branched, ethoxylated (127087-87-0)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

2-aminoethanol (141-43-5)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

N,N-bis(hydroxyethyl)coco amides (68603-42-9)
Listed on IARC (International Agency for Research on Cancer)

4-nonylphenol, branched, ethoxylated (127087-87-0)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

15.3. US State regulations

⚠ **WARNING:** This product can expose you to N,N-bis(hydroxyethyl)coco amides, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
2-aminoethanol(141-43-5)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 01/11/2022

Full text of H-phrases	
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H351	Suspected of causing cancer
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

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.