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SECTION 1: IDENTIFICATION

- 1.1 GHS Product identifier:** V50124 - BCL Enzyme Bug Remover
- Other means of identification:**
Not applicable (N/A)
- 1.2 Recommended use of the chemical and restrictions on use:**
Relevant uses: Chemical cleaning products
Insect removing detergent in 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
http://cleaningsystemsinc.com | Distributor: Shiners Car Wash Systems
12-14 Smeaton Ave
Dandenong South VIC 3175
Telephone: 61-3-9646 0999 |
|---|--|
- 1.4 Emergency phone number:** 1-800-424-9300 or 1-703-527-3887
- Emergency phone number: CHEMTREC®**
+(61)-290372994

SECTION 2: HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
- NFPA:**
Health Hazards: 3
Flammability Hazards: 1
Instability Hazards: 0
Special Hazards: Not applicable (N/A)
- 29 CFR 1910.1200:**
Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.
Eye Dam. 1: Serious eye damage, Category 1, H318
Repr. 1B: Reproductive toxicity, Category 1B, H360
Skin Corr. 1A: Skin corrosion, Category 1A, H314
- 2.2 Label elements:**
- NFPA:**
- 
- 29 CFR 1910.1200:**
Danger
- 
- Hazard statements:**
Repr. 1B: H360 - May damage fertility or the unborn child.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
- Precautionary statements:**

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SECTION 2: HAZARD(S) IDENTIFICATION (continued)

P201: Obtain special instructions before use.
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.
P308+P313: IF exposed or concerned: Get medical advice/attention.
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

Surfactant Mixture; 1-aminopropan-2-ol; Sodium Metasilicate; Disodium tetraborate decahydrate

Acute Toxicity Estimate (ATE mix):

22.68 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

Additional labeling:



WARNING

Keep out of the reach of children

This product can expose you to chemicals including Ethanediol, which is [are] known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

2.3 Hazards not otherwise classified (HNOC):

Not applicable (N/A)

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
CAS: Non-applicable	Surfactant Mixture Eye Dam. 1: H318 - Danger	15 - <35 %
CAS: 107-21-1	Ethanediol Acute Tox. 4: H302 - Warning	5 - <10 %
CAS: 78-96-6	1-aminopropan-2-ol Flam. Liq. 4: H227; Skin Corr. 1B: H314 - Danger	5 - <10 %
CAS: 6834-92-0	Sodium Metasilicate Eye Dam. 1: H318; Met. Corr. 1: H290; Skin Corr. 1B: H314; STOT SE 3: H335 - Danger	<5 %
CAS: 1303-96-4	Disodium tetraborate decahydrate Repr. 1B: H360 - Danger	<5 %

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

SECTION 4: FIRST-AID MEASURES

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SECTION 4: FIRST-AID MEASURES (continued)

4.1 Description of necessary measures:

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

By inhalation:

This product is not classified as hazardous through inhalation, however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

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 administer 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:

Not applicable (N/A)

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

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:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

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 spilled product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and materials for containment and cleaning up:

For accidental releases in excess of reportable quantities (RQ) (Table 302.4), refer to 40 CFR 302 for detailed instructions concerning reporting requirements and notify the National Response Center (800) 424-8802.

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 legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of 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

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in fixed places that comply with the necessary security conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to containers of small amounts. 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)

7.2 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):

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:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

US. ACGIH Threshold Limit Values (2022):

Identification	Occupational exposure limits		
	TLV-TWA		
Disodium tetraborate decahydrate CAS: 1303-96-4	TLV-TWA		2 mg/m ³
	TLV-STEL		6 mg/m ³
Ethanediol CAS: 107-21-1	TLV-TWA		10 mg/m ³
	TLV-STEL		20 mg/m ³
Glycerol CAS: 56-81-5	TLV-TWA		10 mg/m ³
	TLV-STEL		

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

Identification	Occupational exposure limits		
	PEL		
Disodium tetraborate decahydrate CAS: 1303-96-4	PEL		5 mg/m ³
	STEL		
Ethanediol CAS: 107-21-1	PEL	40 ppm	100 mg/m ³
	STEL	40 ppm	100 mg/m ³

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)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer's use limitations and OSHA standard 1910.133 (29CFR)

E.- Bodily protection

Pictogram	PPE	Remarks
	Work clothing	Replace before any evidence of deterioration.
	Anti-slip work shoes	Replace before any evidence of deterioration.

F.- Additional emergency measures



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 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): 17 % weight
V.O.C. at 68 °F: 399.7 kg/m³ (399.7 g/L)

California Air Resources Board (CARB) - VOC Regulatory:

V.O.C.(weight-percent): 17 % weight
V.O.C. at 68 °F: 399.7 kg/m³ (399.7 g/L)

South Coast Air Quality Management District (AQMD) - VOC Regulatory:

V.O.C.(weight-percent): 17 % weight
V.O.C. at 68 °F: 399.7 kg/m³ (399.7 g/L)

Ozone Transport Commission (OTC) Rules - VOC Regulatory:

V.O.C.(weight-percent): 17 % weight
V.O.C. at 68 °F: 399.7 kg/m³ (399.7 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 68 °F: Liquid
Appearance: Translucent
Color: Yellowish
Odor: Not available
Odour threshold: Not applicable (N/A) *

Volatility:

Boiling point at atmospheric pressure: 234 °F
Vapour pressure at 68 °F: 2161 Pa
Vapour pressure at 122 °F: 11393.51 Pa (11.39 kPa)
Evaporation rate at 68 °F: Not applicable (N/A) *

Product description:

Density at 68 °F: 1086.3 kg/m³
Relative density at 68 °F: 1.086
Dynamic viscosity at 68 °F: Not applicable (N/A) *
Kinematic viscosity at 68 °F: Not applicable (N/A) *
Kinematic viscosity at 104 °F: Not applicable (N/A) *
Concentration: Not applicable (N/A) *
pH: >12
Vapour density at 68 °F: Not applicable (N/A) *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Partition coefficient n-octanol/water 68 °F:	Not applicable (N/A) *
Solubility in water at 68 °F:	Not applicable (N/A) *
Solubility properties:	Not applicable (N/A) *
Decomposition temperature:	Not applicable (N/A) *
Melting point/freezing point:	Not applicable (N/A) *
Flammability:	
Flash Point:	201 °F
Flammability (solid, gas):	Not applicable (N/A) *
Autoignition temperature:	703 °F
Lower flammability limit:	Not applicable (N/A) *
Upper flammability limit:	Not applicable (N/A) *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not applicable (N/A) *
Oxidising properties:	Not applicable (N/A) *
Corrosive to metals:	Not applicable (N/A) *
Heat of combustion:	Not applicable (N/A) *
Aerosols-total percentage (by mass) of flammable components:	Not applicable (N/A) *

Other safety characteristics:

Surface tension at 68 °F:	Not applicable (N/A) *
Refraction index:	Not applicable (N/A) *

*Not relevant due to the nature of the product, not providing information 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	Precaution	Precaution	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Not applicable

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 (CO₂), carbon monoxide and other organic compounds.

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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 : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- 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 : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- 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: Not applicable (N/A)
- 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: May damage fertility or the unborn child

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. However, it contains substances classified as hazardous for inhalation. 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.

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:

Not applicable (N/A)

Specific toxicology information on the substances:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Ethanediol CAS: 107-21-1	500 mg/kg	>5000 mg/kg	Rat
			Rabbit
		Not applicable (N/A)	
1-aminopropan-2-ol CAS: 78-96-6	2100 mg/kg	Not applicable (N/A)	Rat
		Not applicable (N/A)	
Disodium tetraborate decahydrate CAS: 1303-96-4	4500 mg/kg	10000 mg/kg	Rat
			Rabbit
		Not applicable (N/A)	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	4295.56 mg/kg (Calculation method)	22.68 %
Dermal	>5000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

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
	LC50	EC50		
Ethanediol CAS: 107-21-1	53000 mg/L (96 h)		Pimephales promelas	Fish
		51000 mg/L (48 h)	Daphnia magna	Crustacean
		24000 mg/L (168 h)	Selenastrum capricornutum	Algae
1-aminopropan-2-ol CAS: 78-96-6	210 mg/L (96 h)		Carassius auratus	Fish
		Not applicable (N/A)		
		23 mg/L (72 h)	Scenedesmus subspicatus	Algae
Sodium Metasilicate CAS: 6834-92-0	210 mg/L (96 h)		Brachydanio rerio	Fish
		216 mg/L (96 h)	Daphnia magna	Crustacean
		Not applicable (N/A)		
Disodium tetraborate decahydrate CAS: 1303-96-4	178 mg/L (72 h)		Carassius auratus	Fish
		1085 mg/L (48 h)	Daphnia magna	Crustacean
		158 mg/L (96 h)	Scenedesmus subspicatus	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
	NOEC	NOEC		
Disodium tetraborate decahydrate CAS: 1303-96-4	Not applicable (N/A)			
		25.9 mg/L	Hyalella azteca	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
	BOD5	COD	Concentration	Period
Ethanediol CAS: 107-21-1	0.47 g O2/g	1.29 g O2/g	100 mg/L	14 days
	BOD5/COD	0.36	% Biodegradable	90 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
	BCF	Pow Log
Ethanediol CAS: 107-21-1	10	-1.36
	Potential	Low

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
	1-aminopropan-2-ol CAS: 78-96-6	BCF
	Pow Log	-0.96
	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
	Ethanediol CAS: 107-21-1	Koc	0	Henry
Conclusion		Very High	Dry soil	No
Surface tension		4.989E-2 N/m (77 °F)	Moist soil	No
1-aminopropan-2-ol CAS: 78-96-6	Koc	Not applicable (N/A)	Henry	Not applicable (N/A)
	Conclusion	Not applicable (N/A)	Dry soil	Not applicable (N/A)
	Surface tension	3.631E-2 N/m (77 °F)	Moist soil	Not applicable (N/A)

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:

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.

Waste management (disposal and evaluation):

Follow RCRA framework and EPA regulation for to ensure that hazardous waste is managed safely and properly. Waste should not be disposed of to drains. Remind, it is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing. See section 6 for further information about Accidental release measures.

Regulations related to waste management:

Legislation related to waste management:

40 CFR Solid Wastes - Part 239 through 282.

State regulatory requirements for generators may be more stringent than those in the federal program. Be sure to check the state's policies.

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:** UN3266 Exempt Quantities <5L
- 14.2 UN proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium Metasilicate Solution) 8
- 14.3 Transport hazard class(es):** 8
Labels:
- 14.4 Packing group, if applicable:** II
- 14.5 Marine pollutant:** No
- 14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable (N/A)

Transport of dangerous goods by sea:

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SECTION 14: TRANSPORT INFORMATION (continued)

With regard to IMDG 40-20:

- 14.1 **UN number:** UN3266
- 14.2 **UN proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium Metasilicate Solution)
- 14.3 **Transport hazard class(es):** 8
Labels: 8
- 14.4 **Packing group, if applicable:** II
- 14.5 **Marine pollutant:** No
- 14.6 **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**
Special regulations: Not applicable (N/A)
EmS Codes:
Physico-Chemical properties: see section 9
Limited quantities: Not applicable (N/A) Not applicable (N/A) Not applicable (N/A)
Segregation group:
- 14.7 **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):**

Transport of dangerous goods by air:

With regard to IATA/ICAO 2023:

- 14.1 **UN number:** UN3266
- 14.2 **UN proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium Metasilicate Solution) 8
- 14.3 **Transport hazard class(es):** 8
Labels: II
- 14.4 **Packing group, if applicable:** No
- 14.5 **Marine pollutant:**
- 14.6 **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**
Physico-Chemical properties: see section 9
- 14.7 **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable (N/A)

SECTION 15: REGULATORY INFORMATION

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

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SECTION 15: REGULATORY INFORMATION (continued)

- CALIFORNIA LABOR CODE - The Hazardous Substances List: *Ethanediol (107-21-1)*; *Disodium tetraborate decahydrate (1303-96-4)*
 - California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: *Ethanediol (107-21-1)*
 - California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: Not applicable (N/A)
 - CANADA-Domestic Substances List (DSL): *Ethanediol (107-21-1)*; *1-aminopropan-2-ol (78-96-6)*; *Sodium Metasilicate (6834-92-0)*; *Disodium tetraborate decahydrate (1303-96-4)*
 - CANADA-Non-Domestic Substances List (NDSL): Not applicable (N/A)
 - Hazardous Air Pollutants (Clean Air Act): *Ethanediol (107-21-1)*
 - Massachusetts RTK - Substance List: *Ethanediol (107-21-1)*; *1-aminopropan-2-ol (78-96-6)*; *Disodium tetraborate decahydrate (1303-96-4)*
 - Minnesota - Hazardous substances ERTK: *Ethanediol (107-21-1)*; *Disodium tetraborate decahydrate (1303-96-4)*
 - New Jersey Worker and Community Right-to-Know Act: *Ethanediol (107-21-1)*; *1-aminopropan-2-ol (78-96-6)*; *Disodium tetraborate decahydrate (1303-96-4)*
 - New York RTK - Substance list: *Ethanediol (107-21-1)*; *Disodium tetraborate decahydrate (1303-96-4)*
 - NTP (National Toxicology Program): Not applicable (N/A)
 - OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Not applicable (N/A)
 - Pennsylvania Worker and Community Right-to-Know Law: *Ethanediol (107-21-1)*; *1-aminopropan-2-ol (78-96-6)*; *Disodium tetraborate decahydrate (1303-96-4)*
 - Rhode Island - Hazardous substances RTK: *Ethanediol (107-21-1)*
 - The Toxic Substances Control Act (TSCA) : *Ethanediol (107-21-1)*; *1-aminopropan-2-ol (78-96-6)*; *Sodium Metasilicate (6834-92-0)*; *Disodium tetraborate decahydrate (1303-96-4)*
 - Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): *Ethanediol (107-21-1)*
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: 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.

H360: May damage fertility or the unborn child.

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.

Eye Dam. 1: H318 - Causes serious eye damage.

Flam. Liq. 4: H227 - Combustible liquid.

Met. Corr. 1: H290 - May be corrosive to metals.

Repr. 1B: H360 - May damage fertility or the unborn child.

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

STOT SE 3: H335 - May cause respiratory 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.

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V50124 - BCL Enzyme Bug Remover

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SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

Occupational Safety & Health Administration (OSHA).

Abbreviations and acronyms:

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

Date of compilation: 3/28/2023

Manufacturer Disclaimer: The information contained in this safety data 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, which should not be used for purposes other than those specified. Finally, the manner in which this product is used and whether there is any infringement of patents is the sole responsibility of the user(s).

END OF SAFETY DATA SHEET

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