



V50124 - BCL Enzyme Bug Remover

Date of compilation: 3/28/2023 Version: 1

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>

1.4 Emergency phone number: 1-800-424-9300 or 1-703-527-3887

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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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)

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.

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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)

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.

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

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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:

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.

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.

8.1 Control parameters:

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

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US. ACGIH Threshold Limit Values (2022):

Identification Occupational exposure limits
Disodium tetraborate decahydrate TLV-TWA 2 mg/m³ CAS: 1303-96-4 TLV-STEL 6 mg/m³ Ethanediol TLV-TWA 10 mg/m³ CAS: 107-21-1 TLV-STEL 20 mg/m³
Glycerol TLV-TWA 10 mg/m³ CAS: 56-81-5 TLV-STEL

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

Identification Occupational exposure limits
Disodium tetraborate decahydrate PEL 5 mg/m³ CAS: 1303-96-4 STEL
Ethanediol PEL 40 ppm 100 mg/m³ CAS: 107-21-1 STEL 40 ppm 100 mg/m³

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

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)

Mandatory hand protection

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

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)

Mandatory face protection

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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ANSI Z358-1

DIN 12 899

ISO 3864-1:2011, ISO 3864-4:2011

ISO 3864-1:2011, ISO 3864-4:2011

Emergency shower

Eyewash stations

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)**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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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

Not applicable (N/A) *

components:

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.

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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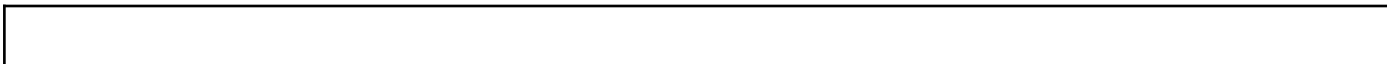
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11.1 Information on toxicological effects:

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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	Identification Acute toxicity Genus
Ethanediol LD50 oral 500 mg/kg Rat CAS: 107-21-1 LD50 dermal >5000 mg/kg Rabbit LC50 inhalation Not applicable (N/A)	
1-aminopropan-2-ol LD50 oral 2100 mg/kg Rat CAS: 78-96-6 LD50 dermal Not applicable (N/A) LC50 inhalation Not applicable (N/A)	
Disodium tetraborate decahydrate LD50 oral 4500 mg/kg Rat CAS: 1303-96-4 LD50 dermal 10000 mg/kg Rabbit LC50 inhalation 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	

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
Ethanediol LC50 53000 mg/L (96 h) Pimephales promelas Fish CAS: 107-21-1 EC50 51000 mg/L (48 h) Daphnia magna Crustacean EC50 24000 mg/L (168 h) Selenastrum capricornutum Algae	
1-aminopropan-2-ol LC50 210 mg/L (96 h) Carassius auratus Fish CAS: 78-96-6 EC50 Not applicable (N/A)	
	EC50 23 mg/L (72 h) Scenedesmus subspicatus Algae
Sodium Metasilicate LC50 210 mg/L (96 h) Brachydanio rerio Fish CAS: 6834-92-0 EC50 216 mg/L (96 h) Daphnia magna Crustacean EC50 Not applicable (N/A)	
Disodium tetraborate decahydrate LC50 178 mg/L (72 h) Carassius auratus Fish CAS: 1303-96-4 EC50 1085 mg/L (48 h) Daphnia magna Crustacean EC50 158 mg/L (96 h) Scenedesmus subspicatus Algae	
Chronic toxicity:	
	Identification Concentration Species Genus
Disodium tetraborate decahydrate NOEC Not applicable (N/A)	
CAS: 1303-96-4 NOEC 25.9 mg/L Hyalella azteca Crustacean	
12.2 Persistence and degradability:	
Substance-specific information:	
	Identification Degradability Biodegradability
Ethanediol BOD5 0.47 g O2/g Concentration 100 mg/L CAS: 107-21-1 COD 1.29 g O2/g Period 14 days BOD5/COD 0.36 % Biodegradable	
	90 %
12.3 Bioaccumulative potential:	
Substance-specific information:	
	Identification Bioaccumulation potential
Ethanediol BCF 10	
CAS: 107-21-1 Pow Log -1.36 Potential Low	

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Identification Bioaccumulation potential

1-aminopropan-2-ol BCF 0.11

CAS: 78-96-6 Pow Log -0.96 Potential Low

12.4 Mobility in soil:

Identification Absorption/desorption Volatility

Ethanedial 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

1-aminopropan-2-ol Koc Not applicable (N/A) Henry Not applicable (N/A) CAS: 78-96-6 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

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.

Transport of dangerous goods by land:

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

14.1 UN number: Not applicable (N/A)

14.2 UN proper shipping name: Not applicable (N/A)

14.3 Transport hazard class(es): Not applicable (N/A)

Labels: Not applicable (N/A)

14.4 Packing group, if applicable: Not applicable (N/A)

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

Not applicable (N/A)

**Annex II of MARPOL 73/78 and
the IBC Code):**

Transport of dangerous goods by sea:

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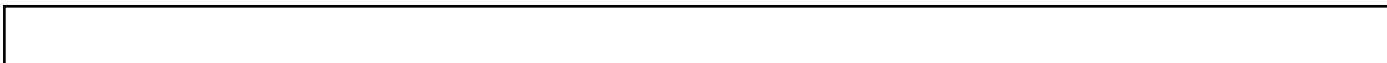
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With regard to IMDG 40-20:

14.1 UN number: Not applicable (N/A)

14.2 UN proper shipping name: Not applicable (N/A)

14.3 Transport hazard class(es): Not applicable (N/A)

Labels: Not applicable (N/A)

14.4 Packing group, if applicable: Not applicable (N/A)

14.5 Marine pollutant: No

Special precautions which a user needs to be aware of, or needs to comply with, in connection with 14.6

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)

Segregation group: Not applicable (N/A)

14.7 Transport in bulk (according to Not applicable (N/A)

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: Not applicable (N/A)

14.2 UN proper shipping name: Not applicable (N/A)

14.3 Transport hazard class(es): Not applicable (N/A)

Labels: Not applicable (N/A)

14.4 Packing group, if applicable: Not applicable (N/A)

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 Not applicable (N/A)

Annex II of MARPOL 73/78 and the IBC Code):

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

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- 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.

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.

- CONTINUED ON NEXT PAGE -



V50124 - BCL Enzyme Bug Remover

Date of compilation: 3/28/2023 Version: 1

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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