SDS482 - AFBC ACID FREE BATHROOM CLEANER

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SECTION 1: IDENTIFICATION

1.1 Product identifier: SDS482 - AFBC ACID FREE BATHROOM CLEANER

propan-2-ol

CAS: 67-63-0

Other means of identification:

Item Number (Gallon): 417669
Item Number (Quart): ND32000

1.2 Recommended use of the chemical and restrictions on use:

Relevant uses (Consumer use):
- Disinfectant,Fungicide

Relevant uses (Professional users):
- Disinfectant,Fungicide

Relevant Uses (Professional, Consumer):
Disinfectant
Cleaner

Uses advised against:
- All uses not specified in this section or in section 7.3

1.3 Name, U.S. address, and U.S. telephone number of the chemical manufacturer, importer, or other responsible party:

Daycon Products Company, Inc.
16001 Trade Zone Avenue
20774 Upper Marlboro - Maryland - United States
Phone: 800-394-0019
cswensen@daycon.com
www.daycon.com

1.4 Emergency phone number: INFOTRAC: 01-800-535-5053

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture:

29 CFR 1910.1200:

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

2.2 Label elements:

29 CFR 1910.1200:

None

Additional labeling:

WARNING

This product can expose you to chemicals including 2,2´-iminodiethanol, which is [are] known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

2.3 Hazards not otherwise classified (HNOC):

Non-applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Chemical description: Aqueous solution based on surfactants, perfume and colourant.

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:

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification	Concentration
CAS: 7732-18-5	**Water**	**75 - <100 %**
CAS: 67-63-0	**propan-2-ol** Eye Irrit. 2A: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger 	**1 - <2.5 %**
CAS: 32426-11-2	**Decyldimethyloctylammonium chloride**	**<1 %**
CAS: 5538-94-3	**Dimethyldioctylammonium chloride** Acute Tox. 4: H302; Skin Corr. 1B: H314 - Danger 	**<1 %**
CAS: 7173-51-5	**Didecyldimethylammonium chloride** Acute Tox. 4: H302; Skin Corr. 1B: H314 - Danger 	**<1 %**

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

3.2 Mixtures:

Non-applicable

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, 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:

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or shower the person affected if necessary thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. 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:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms/effects, acute and delayed:

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

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

Non-applicable

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Non-applicable

5.2 Specific hazards arising from the chemical:

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SECTION 5: FIRE-FIGHTING MEASURES (continued)

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 Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

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 reportables 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.

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.
Spillages in water or sea:
Small spillages:
Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.
Large spillages:
If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

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

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

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

D.- Technical recommendations to prevent environmental risks

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SECTION 7: HANDLING AND STORAGE (continued)

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.- Specific storage requirements

Minimum Temp.: 41 ºF

Maximum Temp.: 86 ºF

Maximum time: 12 Months

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 assessed in the workplace:

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

Identification	Occupational exposure limits		
Ethanol	8-hour TWA PEL	1000 ppm	1900 mg/m³
CAS: 64-17-5	Ceiling Values - TWA PEL		
Glycerol	8-hour TWA PEL		5 mg/m³
CAS: 56-81-5	Ceiling Values - TWA PEL		
sodium hydroxide	8-hour TWA PEL		2 mg/m³
CAS: 1310-73-2	Ceiling Values - TWA PEL		
hydrogen peroxide solution	8-hour TWA PEL	1 ppm	1.4 mg/m³
CAS: 7722-84-1	Ceiling Values - TWA PEL		
2-aminoethanol (1)	8-hour TWA PEL	3 ppm	6 mg/m³
CAS: 141-43-5	Ceiling Values - TWA PEL		
propan-2-ol	8-hour TWA PEL	400 ppm	980 mg/m³
CAS: 67-63-0	Ceiling Values - TWA PEL		

US. ACGIH Threshold Limit Values (2022):

Identification	Occupational exposure limits		
Ethanol	TLV-TWA		
CAS: 64-17-5	TLV-STEL	1000 ppm	
sodium hydroxide	TLV-TWA		
CAS: 1310-73-2	TLV-STEL		2 mg/m³
hydrogen peroxide solution	TLV-TWA	1 ppm	
CAS: 7722-84-1	TLV-STEL		
2-aminoethanol (1)	TLV-TWA	3 ppm	
CAS: 141-43-5	TLV-STEL	6 ppm	
2,2´-iminodiethanol	TLV-TWA		1 mg/m³
CAS: 111-42-2	TLV-STEL		
propan-2-ol	TLV-TWA	200 ppm	
CAS: 67-63-0	TLV-STEL	400 ppm	

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

Identification	Occupational exposure limits		
sodium hydroxide	PEL		2 mg/m³
CAS: 1310-73-2	STEL		
hydrogen peroxide solution	PEL	1 ppm	1.4 mg/m³
CAS: 7722-84-1	STEL		

(1) Skin

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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

Identification	Occupational exposure limits		
2-aminoethanol (1) CAS: 141-43-5	PEL	3 ppm	8 mg/m³
	STEL	6 ppm	15 mg/m³
2,2´-iminodiethanol CAS: 111-42-2	PEL	0.46 ppm	2 mg/m³
	STEL		
propan-2-ol CAS: 67-63-0	PEL	400 ppm	980 mg/m³
	STEL	500 ppm	1225 mg/m³

NIOSH: Immediately Dangerous To Life or Health (IDLH) Values:

Identification	Occupational exposure limits		
sodium hydroxide CAS: 1310-73-2	TWA		
	IDLH Value		10 mg/m³
hydrogen peroxide solution CAS: 7722-84-1	TWA		
	IDLH Value	75 ppm	
2-aminoethanol (1) CAS: 141-43-5	TWA		
	IDLH Value	30 ppm	
propan-2-ol CAS: 67-63-0	TWA		
	IDLH Value	2000 ppm	

(1) Skin

Biological limit values:

Biological Exposure Indices (BEIs®) - ACGIH

Identification	BEIs®	Determinant	Sampling Time
propan-2-ol CAS: 67-63-0	40 mg/L	Acetone in urine	End of shift at end of workweek

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

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Non-applicable

E.- Bodily protection

Non-applicable

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.
It is not necessary to take additional emergency measures.

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

40 CFR Part 59 (VOC):

V.O.C.(weight-percent): 2.36 % weight

V.O.C. at 68 ºF: 616.57 kg/m³ (616.57 g/L)

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

California Air Resources Board (CARB) - VOC Regulatory:

V.O.C.(weight-percent):	2.36 % weight
V.O.C. at 68 ºF:	616.57 kg/m³ (616.57 g/L)

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

V.O.C.(weight-percent):	2.36 % weight
V.O.C. at 68 ºF:	616.57 kg/m³ (616.57 g/L)

Ozone Transport Commission (OTC) Rules - VOC Regulatory:

V.O.C.(weight-percent):	2.36 % weight
V.O.C. at 68 ºF:	616.57 kg/m³ (616.57 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 ºF:	Liquid
Appearance:	Transparent
Color:	Blue
Odor:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	212 ºF
Vapour pressure at 68 ºF:	2363 Pa
Vapour pressure at 122 ºF:	12444.38 Pa (12.44 kPa)
Evaporation rate at 68 ºF:	Non-applicable *

Product description:

Density at 68 ºF:	1025.8 kg/m³
Relative density at 68 ºF:	1.026
Dynamic viscosity at 68 ºF:	Non-applicable *
Kinematic viscosity at 68 ºF:	Non-applicable *
Kinematic viscosity at 104 ºF:	Non-applicable *
Concentration:	Non-applicable *
pH:	≈8 - 12
Vapour density at 68 ºF:	Non-applicable *
Partition coefficient n-octanol/water 68 ºF:	Non-applicable *
Solubility in water at 68 ºF:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>199.4 ºF)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	419 ºF
Lower flammability limit:	Non-applicable *

*Non-applicable 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)

Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable *

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 68 ºF:	Non-applicable *
Refraction index:	Non-applicable *

*Non-applicable 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 from Safety Data Sheet.

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	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

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

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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

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

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

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: Ethanol (1); hydrogen peroxide solution (3); 2,2´-iminodiethanol (2B); propan-2-ol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

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

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. 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:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
propan-2-ol CAS: 67-63-0	LD50 oral	>5840 mg/kg	Rat
	LD50 dermal	>13900 mg/kg	Rabbit
	LC50 inhalation vapour	>25 mg/L (6 h)	Rat
Didecyldimethylammonium chloride CAS: 7173-51-5	LD50 oral	500 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		
	LC50 inhalation dust		

SECTION 12: ECOLOGICAL INFORMATION

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.

12.1 Ecotoxicity (aquatic and terrestrial, where available):

Acute toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
propan-2-ol	LC50	9640 mg/L (96 h)	Pimephales promelas	Fish
CAS: 67-63-0	EC50	10000 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Dimethyldioctylammonium chloride	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 5538-94-3	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
	EC50	>0.1 - 1 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Didecyldimethylammonium chloride	NOEC	>0.0001 - 0 mg/L		Fish
CAS: 7173-51-5	NOEC	>0.0001 - 0 mg/L		Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
propan-2-ol	BOD5	1.19 g O2/g	Concentration	100 mg/L
CAS: 67-63-0	COD	2.23 g O2/g	Period	14 days
	BOD5/COD	0.53	% Biodegradable	86 %
Didecyldimethylammonium chloride	BOD5	Non-applicable	Concentration	4 mg/L
CAS: 7173-51-5	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	69 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
propan-2-ol	BCF	3
CAS: 67-63-0	Pow Log	0.05
	Potential	Low
Didecyldimethylammonium chloride	BCF	2
CAS: 7173-51-5	Pow Log	2.8
	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
propan-2-ol	Koc	1.5	Henry	8.207E-1 Pa·m³/mol
CAS: 67-63-0	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.24E-2 N/m (77 ºF)	Moist soil	Yes
Didecyldimethylammonium chloride	Koc	562314	Henry	Non-applicable
CAS: 7173-51-5	Conclusion	Immobile	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable

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:

Wastes generated by normal household activities (e.g., routine house and yard maintenance) are excluded from the definition of hazardous waste (Title 40 of the Code of Federal Regulations Part 261.4)

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.

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

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

This product is not regulated for transport.

SECTION 15: REGULATORY INFORMATION

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

- CALIFORNIA LABOR CODE - The Hazardous Substances List: *Ethanol (64-17-5)* ; *sodium hydroxide (1310-73-2)* ; *hydrogen peroxide solution (7722-84-1)* ; *2-aminoethanol (141-43-5)* ; *2,2´-iminodiethanol (111-42-2)* ; *propan-2-ol (67-63-0)*
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: Non-applicable
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: *2,2´-iminodiethanol (111-42-2)*
- CANADA-Domestic Substances List (DSL): *Water (7732-18-5)* ; *Decyldimethyloctylammonium chloride (32426-11-2)* ; *Ethanol (64-17-5)* ; *Dimethyldioctylammonium chloride (5538-94-3)* ; *Didecyldimethylammonium chloride (7173-51-5)* ; *Glycerol (56-81-5)* ; *tetrasodium ethylene diamine tetraacetate (64-02-8)* ; *Sodium glycollate (2836-32-0)* ; *sodium hydroxide (1310-73-2)* ; *Dodecyldimethylamine oxide (1643-20-5)* ; *Dodecyldimethylamine (112-18-5)* ; *hydrogen peroxide solution (7722-84-1)* ; *2-aminoethanol (141-43-5)* ; *2,2´-iminodiethanol (111-42-2)* ; *propan-2-ol (67-63-0)*
- CANADA-Non-Domestic Substances List (NDSL): Non-applicable
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: *sodium hydroxide (1310-73-2) - 1000 lb* ; *2,2´-iminodiethanol (111-42-2) - 100 lb*
- Hazardous Air Pollutants (Clean Air Act): *2,2´-iminodiethanol (111-42-2)*
- Massachusetts RTK - Substance List: *Ethanol (64-17-5)* ; *Glycerol (56-81-5)* ; *sodium hydroxide (1310-73-2)* ; *hydrogen peroxide solution (7722-84-1)* ; *2-aminoethanol (141-43-5)* ; *2,2´-iminodiethanol (111-42-2)* ; *propan-2-ol (67-63-0)*
- Minnesota - Hazardous substances ERTK: *Ethanol (64-17-5)* ; *Glycerol (56-81-5)* ; *sodium hydroxide (1310-73-2)* ; *hydrogen peroxide solution (7722-84-1)* ; *2-aminoethanol (141-43-5)* ; *2,2´-iminodiethanol (111-42-2)* ; *propan-2-ol (67-63-0)*
- New Jersey Worker and Community Right-to-Know Act: *Ethanol (64-17-5)* ; *Glycerol (56-81-5)* ; *sodium hydroxide (1310-73-2)* ; *hydrogen peroxide solution (7722-84-1)* ; *2-aminoethanol (141-43-5)* ; *2,2´-iminodiethanol (111-42-2)* ; *propan-2-ol (67-63-0)*
- New York RTK - Substance list: *Ethanol (64-17-5)* ; *sodium hydroxide (1310-73-2)* ; *hydrogen peroxide solution (7722-84-1)* ; *2-aminoethanol (141-43-5)* ; *2,2´-iminodiethanol (111-42-2)* ; *propan-2-ol (67-63-0)*
- NTP (National Toxicology Program): Non-applicable
- OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Non-applicable
- Pennsylvania Worker and Community Right-to-Know Law: *Ethanol (64-17-5)* ; *Glycerol (56-81-5)* ; *hydrogen peroxide solution (7722-84-1)* ; *2-aminoethanol (141-43-5)*
- Protective Action Criteria (PAC) with AEGLs, ERPGs, & TEELs: *Ethanol (64-17-5)* ; *Didecyldimethylammonium chloride (7173-51-5)* ; *Glycerol (56-81-5)* ; *tetrasodium ethylene diamine tetraacetate (64-02-8)* ; *Sodium glycollate (2836-32-0)* ; *sodium hydroxide (1310-73-2)* ; *hydrogen peroxide solution (7722-84-1)* ; *2-aminoethanol (141-43-5)* ; *2,2´-iminodiethanol (111-42-2)* ; *propan-2-ol (67-63-0)*
- Rhode Island - Hazardous substances RTK: *sodium hydroxide (1310-73-2)* ; *2,2´-iminodiethanol (111-42-2)*
- SB-258 Cleaning Product Right to Know Act : *Decyldimethyloctylammonium chloride (32426-11-2)* ; *Dimethyldioctylammonium chloride (5538-94-3)* ; *Didecyldimethylammonium chloride (7173-51-5)* ; *sodium hydroxide (1310-73-2)* ; *2,2´-iminodiethanol (111-42-2)* ; *propan-2-ol (67-63-0)*
- The Toxic Substances Control Act (TSCA) : *Water (7732-18-5)* ; *Decyldimethyloctylammonium chloride (32426-11-2)* ; *Ethanol (64-17-5)* ; *Dimethyldioctylammonium chloride (5538-94-3)* ; *Didecyldimethylammonium chloride (7173-51-5)* ; *Glycerol (56-81-5)* ; *tetrasodium ethylene diamine tetraacetate (64-02-8)* ; *Sodium glycollate (2836-32-0)* ; *sodium hydroxide (1310-73-2)* ; *Dodecyldimethylamine oxide (1643-20-5)* ; *Dodecyldimethylamine (112-18-5)* ; *hydrogen peroxide solution (7722-84-1)* ; *2-aminoethanol (141-43-5)* ; *2,2´-iminodiethanol (111-42-2)* ; *propan-2-ol (67-63-0)*
- Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): *2,2´-iminodiethanol (111-42-2)* ; *propan-2-ol (67-63-0)*

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information provided in this safety data sheet as a foundation for conducting workplace-specific risk assessments. These assessments will help establish the appropriate risk prevention measures for handling, using, storing, and disposing of this product.

Other legislation:

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

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

Other information:

All ingredients in the formulation are listed on the TSCA Inventory.

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 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 Irrit. 2A: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Advice related to training:

According to 29 CFR 1910. 1200, training on chemical hazards is necessary for employees using this product. This training will facilitate their understanding and interpretation of the safety data sheet, as well as the product label.

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

NFPA:

Health Hazards: 0
Flammability Hazards: 0
Instability Hazards: 0
Special Hazards: Non-applicable

Date of compilation: 9/24/2025

END OF SAFETY DATA SHEET