




## SECTION 1: IDENTIFICATION

- 1.1 Product identifier:** 5010107 - KLEENLINE LAUNDRY SOFTENER
- Other means of identification:**  
Item Number (1.5 Gal.): KL-LASOFT1.5
- 1.2 Recommended use of the chemical and restrictions on use:**  
Relevant uses (Consumer use):  
- Detergent for cleaning clothes  
Relevant uses (Professional users):  
- Detergent for cleaning clothes  
Relevant Use (Professional):  
Premium Liquid Fabric Softener.  
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:**  
BradyPLUS  
7055 Lindell Road  
89118 Las Vegas - NV - United States  
Phone: (877) 788-PLUS  
BradyPLUS.com
- 1.4 Emergency phone number:** CHEMTREC: 01-800-424-9300

## SECTION 2: HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**29 CFR 1910.1200:**  
Classification of the chemical in accordance with paragraph (d)(1)(i) of §1910.1200  
Eye Irrit. 2A: Eye irritation, Category 2A, H319  
Skin Irrit. 2: Skin irritation, Category 2, H315
- 2.2 Label elements:**  
**29 CFR 1910.1200:**  
**Warning**
- 
- Hazard statements:**  
Eye Irrit. 2A: H319 - Causes serious eye irritation.  
Skin Irrit. 2: H315 - Causes skin irritation.
- Precautionary statements:**  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P264: Wash thoroughly after use.  
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P501: Dispose of the contents/containers according to the local, state and federal regulations.
- Additional labeling:**

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**SECTION 2: HAZARD(S) IDENTIFICATION (continued)**

Keep out of the reach of children  
Federal Hazardous Substances Act (FHSA) >> Irritant (Eyes)  
May irritate eyes. Do not get in eyes. Keep out of reach of children.  
FIRST AID TREATMENT  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do and continue rinsing. If eye irritation persists: Get medical advice/attention.  
Contains .

**2.3 Hazards not otherwise classified (HNOC):**

Non-applicable

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances:**

Non-applicable

**3.2 Mixtures:**

**Chemical description:** Miscellaneous 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: 7732-18-5	<b>Water</b>	<b>75 - &lt;100%</b>
CAS: 68410-69-5	<b>Poly(oxy-1,2-ethanediyl), .alpha.-[2-[bis(2-aminoethyl)methylammonio]ethyl]-.omega.-hydroxy-, N,N'-ditallow acyl derivs., Me sulfate</b> Eye Irrit. 2A: H319; Skin Irrit. 2: H315 - Warning	<b>10 - &lt;25%</b>
CAS: 67-63-0	<b>propan-2-ol</b> Eye Irrit. 2A: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger	<b>1 - &lt;2.5%</b>
CAS: 57-55-6	<b>Propane-1,2-diol</b>	<b>&lt;1%</b>
CAS: 25265-71-8	<b>Oxydipropanol</b>	<b>&lt;1%</b>
CAS: 140-11-4	<b>Benzyl acetate</b> Flam. Liq. 4: H227	<b>&lt;1%</b>
CAS: 123-92-2	<b>Isopentyl acetate</b> Flam. Liq. 3: H226 - Warning	<b>&lt;1%</b>
CAS: 4368-56-3	<b>C.I. Acid Blue 62</b> Eye Irrit. 2A: H319 - Warning	<b>&lt;1%</b>

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

**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:**

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:**

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#### SECTION 4: FIRST-AID MEASURES (continued)

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:**

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:**

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 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.



**SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)**

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

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 °F

Maximum Temp.: 86 °F

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		
	8-hour TWA PEL	400 ppm	980 mg/m <sup>3</sup>
propan-2-ol CAS: 67-63-0	Ceiling Values - TWA PEL		
Isopentyl acetate CAS: 123-92-2	8-hour TWA PEL	100 ppm	525 mg/m <sup>3</sup>
	Ceiling Values - TWA PEL		

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

**US. ACGIH Threshold Limit Values (2022):**

Identification	Occupational exposure limits		
	TLV-TWA	TLV-STEL	
propan-2-ol CAS: 67-63-0	TLV-TWA	200 ppm	
	TLV-STEL	400 ppm	
Benzyl acetate CAS: 140-11-4	TLV-TWA	10 ppm	
	TLV-STEL		
Isopentyl acetate CAS: 123-92-2	TLV-TWA	50 ppm	
	TLV-STEL	100 ppm	

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

Identification	Occupational exposure limits		
	PEL	STEL	
propan-2-ol CAS: 67-63-0	400 ppm	980 mg/m <sup>3</sup>	
	500 ppm	1225 mg/m <sup>3</sup>	
Benzyl acetate CAS: 140-11-4	10 ppm	61 mg/m <sup>3</sup>	
Isopentyl acetate CAS: 123-92-2	50 ppm	266 mg/m <sup>3</sup>	
	100 ppm	532 mg/m <sup>3</sup>	

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

Identification	Occupational exposure limits		
	TWA	IDLH Value	
propan-2-ol CAS: 67-63-0		2000 ppm	
Isopentyl acetate CAS: 123-92-2		1000 ppm	

**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**

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. 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**



**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

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**

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.

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:**

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): 2.26 % weight  
V.O.C. at 68 °F: Non-applicable

**California Air Resources Board (CARB) - VOC Regulatory:**

V.O.C.(weight-percent): 2.26 % weight  
V.O.C. at 68 °F: Non-applicable

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

V.O.C.(weight-percent): 2.26 % weight  
V.O.C. at 68 °F: Non-applicable

**Ozone Transport Commission (OTC) Rules - VOC Regulatory:**

V.O.C.(weight-percent): 2.26 % weight  
V.O.C. at 68 °F: Non-applicable

**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: Fluid  
Color: Blue  
Odor: Characteristic

\*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)**

**Volatility:**

Boiling point at atmospheric pressure:	212 °F
Vapour pressure at 68 °F:	2364 Pa
Vapour pressure at 122 °F:	12448.84 Pa (12.45 kPa)
Evaporation rate at 68 °F:	Non-applicable *

**Product description:**

Density at 68 °F:	Non-applicable *
Relative density at 68 °F:	Non-applicable *
Dynamic viscosity at 68 °F:	Non-applicable *
Kinematic viscosity at 68 °F:	Non-applicable *
Kinematic viscosity at 104 °F:	Non-applicable *
Concentration:	Non-applicable *
pH:	0.25 - 10.25
Vapour density at 68 °F:	Non-applicable *
Partition coefficient n-octanol/water 68 °F:	Non-applicable *
Solubility in water at 68 °F:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

**Flammability:**

Flash Point:	Non Flammable (>199.4 °F)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	714 °F
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

**Particle characteristics:**

Median equivalent diameter:	Non-applicable *
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**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 °F:	Non-applicable *
Refraction index:	Non-applicable *
MIR (Maximum Incremental Reactivity):	0.02

\*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:**

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**SECTION 10: STABILITY AND REACTIVITY (continued)**

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	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<sub>2</sub>), 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, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

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, as it does not 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: Produces skin inflammation.
- Contact with the eyes: Causes serious eye irritation.

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: propan-2-ol (3: Not classifiable as to its carcinogenicity to humans); Benzyl acetate (3: Not classifiable as to its carcinogenicity to humans)
- 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.

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

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
	LD50 oral	LD50 dermal	
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
Propane-1,2-diol CAS: 57-55-6	LD50 oral	22000 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation mist	44.9 mg/L (4 h)	Rat
Benzyl acetate CAS: 140-11-4	LD50 oral	2490 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour		
Isopentyl acetate CAS: 123-92-2	LD50 oral	7400 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation vapour		

**SECTION 12: ECOLOGICAL INFORMATION**

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

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:**

Identification	Concentration		Species	Genus
	LC50	EC50		
propan-2-ol CAS: 67-63-0	LC50	9640 mg/L (96 h)	Pimephales promelas	Fish
	EC50	10000 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
Propane-1,2-diol CAS: 57-55-6	LC50	51400 mg/L (96 h)	Pimephales promelas	Fish
	EC50	10000 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	19100 mg/L (336 h)	Selenastrum capricornutum	Algae
Benzyl acetate CAS: 140-11-4	LC50	Non-applicable		
	EC50	17 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	110 mg/L (72 h)	Desmodesmus subspicatus	Algae
Isopentyl acetate CAS: 123-92-2	LC50	Non-applicable		
	EC50	42 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		

**Chronic toxicity:**

Identification	Concentration		Species	Genus
	NOEC	Non-applicable		
Propane-1,2-diol CAS: 57-55-6	NOEC	Non-applicable		
	NOEC	13020 mg/L	Ceriodaphnia sp.	Crustacean
Benzyl acetate CAS: 140-11-4	NOEC	0.92 mg/L	Oryzias latipes	Fish
	NOEC	Non-applicable		

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

**12.2 Persistence and degradability:**

**Substance-specific information:**

Identification	Degradability		Biodegradability	
propan-2-ol CAS: 67-63-0	BOD5	1.19 g O2/g	Concentration	100 mg/L
	COD	2.23 g O2/g	Period	14 days
	BOD5/COD	0.53	% Biodegradable	86 %
Propane-1,2-diol CAS: 57-55-6	BOD5	1.08 g O2/g	Concentration	100 mg/L
	COD	1.63 g O2/g	Period	28 days
	BOD5/COD	0.66	% Biodegradable	90 %
Benzyl acetate CAS: 140-11-4	BOD5	Non-applicable	Concentration	10 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	100 %

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

Identification	Bioaccumulation potential	
propan-2-ol CAS: 67-63-0	BCF	3
	Pow Log	0.05
	Potential	Low
Propane-1,2-diol CAS: 57-55-6	BCF	1
	Pow Log	-0.92
	Potential	Low
Benzyl acetate CAS: 140-11-4	BCF	8
	Pow Log	1.96
	Potential	Low
Isopentyl acetate CAS: 123-92-2	BCF	10
	Pow Log	
	Potential	Low

**12.4 Mobility in soil:**

Identification	Absorption/desorption		Volatility	
propan-2-ol CAS: 67-63-0	Koc	1.5	Henry	8.207E-1 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.24E-2 N/m (77 °F)	Moist soil	Yes
Propane-1,2-diol CAS: 57-55-6	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	3.547E-2 N/m (77 °F)	Moist soil	Non-applicable
Oxydiopropanol CAS: 25265-71-8	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	3.397E-2 N/m (77 °F)	Moist soil	Non-applicable
Benzyl acetate CAS: 140-11-4	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	3.558E-2 N/m (77 °F)	Moist soil	Non-applicable
Isopentyl acetate CAS: 123-92-2	Koc	70	Henry	59.78 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Non-applicable
	Surface tension	2.388E-2 N/m (77 °F)	Moist soil	Yes

**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:**

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### SECTION 13: DISPOSAL CONSIDERATIONS (continued)

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.

**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: *propan-2-ol (67-63-0)*; *Benzyl acetate (140-11-4)*; *Isopentyl acetate (123-92-2)*
- 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: Non-applicable
- CANADA-Domestic Substances List (DSL): *Water (7732-18-5)*; *propan-2-ol (67-63-0)*; *Poly(oxy-1,2-ethanediyl), .alpha.-[2-[bis(2-aminoethyl)methylammonio]ethyl]-.omega.-hydroxy-, N,N'-ditallow acyl derivs., Me sulfate (68410-69-5)*; *Propane-1,2-diol (57-55-6)*; *Oxydipropanol (25265-71-8)*; *Benzyl acetate (140-11-4)*; *Isopentyl acetate (123-92-2)*; *C.I.Acid Blue 62 (4368-56-3)*
- CANADA-Non-Domestic Substances List (NDSL): Non-applicable
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: *Isopentyl acetate (123-92-2) - 5000 lb*
- Hazardous Air Pollutants (Clean Air Act): Non-applicable
- Massachusetts RTK - Substance List: *propan-2-ol (67-63-0)*; *Isopentyl acetate (123-92-2)*
- Minnesota - Hazardous substances ERTK: *propan-2-ol (67-63-0)*; *Benzyl acetate (140-11-4)*; *Isopentyl acetate (123-92-2)*
- New Jersey Worker and Community Right-to-Know Act: *propan-2-ol (67-63-0)*; *Propane-1,2-diol (57-55-6)*; *Benzyl acetate (140-11-4)*; *Isopentyl acetate (123-92-2)*
- New York RTK - Substance list: *propan-2-ol (67-63-0)*; *Isopentyl acetate (123-92-2)*
- 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: *Propane-1,2-diol (57-55-6)*; *Oxydipropanol (25265-71-8)*
- Protective Action Criteria (PAC) with AEGLs, ERPGs, & TEELs: *propan-2-ol (67-63-0)*; *Propane-1,2-diol (57-55-6)*; *Benzyl acetate (140-11-4)*; *Isopentyl acetate (123-92-2)*
- Rhode Island - Hazardous substances RTK: *Isopentyl acetate (123-92-2)*
- SB-258 Cleaning Product Right to Know Act : *propan-2-ol (67-63-0)*
- The Toxic Substances Control Act (TSCA) : *Water (7732-18-5)*; *propan-2-ol (67-63-0)*; *Poly(oxy-1,2-ethanediyl), .alpha.-[2-[bis(2-aminoethyl)methylammonio]ethyl]-.omega.-hydroxy-, N,N'-ditallow acyl derivs., Me sulfate (68410-69-5)*; *Propane-1,2-diol (57-55-6)*; *Oxydipropanol (25265-71-8)*; *Benzyl acetate (140-11-4)*; *Isopentyl acetate (123-92-2)*; *C.I.Acid Blue 62 (4368-56-3)*
- Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): *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:**

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

**Other information:**

All ingredients in formula are on TSCA Inventory list.

- CONTINUED ON NEXT PAGE -



## 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:

H319: Causes serious eye irritation.

H315: Causes skin irritation.

### 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:

Eye Irrit. 2A: H319 - Causes serious eye irritation.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Flam. Liq. 4: H227 - Combustible liquid.

Skin Irrit. 2: H315 - Causes skin irritation.

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: 1

Flammability Hazards: 0

Instability Hazards: 0

Special Hazards: Non-applicable



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Information in this Safety Data Sheet (SDS) is based on sources other than direct test data and is given in good faith. No warranty is expressed or implied. We believe that the information is current as of the date of this SDS. The use of this information, the conditions, the methods of handling, storage, use and disposal of the product are not within the control of the manufacturer and distributor, therefore it is the user's responsibility and obligation to determine the conditions of the safe use of this product and to ensure that its activities comply with all laws and regulations.

END OF SAFETY DATA SHEET