



Fresh Laundry Concentrate (Liquid) Fragranced

Safety Data Sheet

SECTION 1: Identification

1.1. Identification

Product name : Fresh Laundry Concentrate (Liquid) Fragranced

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Cleaning

1.3. Details of the supplier of the safety data sheet

Shaklee Corporation
Pleasanton, CA 94588
T 925-924-2000

1.4. Emergency telephone number

Emergency number : 925-931-4189

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Eye Dam. 1 H318
Resp. Sens. 1 H334

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H318 - Causes serious eye damage
H334 - May cause an allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements (GHS US) :

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - [In case of inadequate ventilation] wear respiratory protection.
P304+P341 - If inhaled: If breathing is difficult, remove person to fresh air and keep 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
P310 - Immediately call a poison center or doctor
P342+P311 - If experiencing respiratory symptoms: Call a poison center or doctor
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Water	(CAS-No.) 7732-18-5	35 - 40	Not classified
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	(CAS-No.) 110615-47-9	15 - 20	Not classified
Fatty acids, C12-18, methyl esters, sulfonated, sodium salts	(CAS-No.) 149458-07-1	3.9 - 5.2	Not classified

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Name	Product identifier	%	GHS US classification
Glycerin	(CAS-No.) 56-81-5	1 - 5	Not classified
Alcohols, C12-16, ethoxylated	(CAS-No.) 68551-12-2	1 - 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-.beta.-alaninate	(CAS-No.) 94441-92-6	1 - 5	Eye Irrit. 2A, H319
Alcohols, C12-14, ethoxylated propoxylated	(CAS-No.) 68439-51-0	1 - 5	Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Trisodium citrate dihydrate	(CAS-No.) 6132-04-3	1 - 5	Not classified
Sodium 1-octanesulfonate	(CAS-No.) 5324-84-5	1 - 2	Not classified
Fatty acids, C8-18 and C18-unsaturated	(CAS-No.) 67701-05-7	1 - 2	Eye Irrit. 2B, H320
Subtilisins (proteolytic enzymes)	(CAS-No.) 9014-01-1	1 - 2	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335
Sodium sulfate	(CAS-No.) 7757-82-6	0.4375 - 0.8875	Not classified
2-Phenoxyethanol	(CAS-No.) 122-99-6	0.325 - 0.455	Acute Tox. 4 (Oral), H302
Amylase, .alpha.-	(CAS-No.) 9000-90-2	< 1	Resp. Sens. 1, H334
Fatty acids, C12-18, methyl esters	(CAS-No.) 68937-84-8	0.13 - 0.39	Not classified
Isopropyl alcohol	(CAS-No.) 67-63-0	0.1425 - 0.2375	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
p-Hydroxyacetophenone	(CAS-No.) 99-93-4	0.13 - 0.195	Eye Irrit. 2, H319
1,2-Octanediol	(CAS-No.) 1117-86-8	0.065 - 0.13	Not classified
Sodium hydroxide	(CAS-No.) 1310-73-2	0.0183 - 0.061	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
Glycolic acid, sodium salt	(CAS-No.) 2836-32-0	0 - 0.061	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Benzyl salicylate	(CAS-No.) 118-58-1	0.0009 - 0.009	Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Linalyl acetate	(CAS-No.) 115-95-7	0.0009 - 0.009	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
D-Limonene	(CAS-No.) 5989-27-5	0.0009 - 0.009	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Linalool	(CAS-No.) 78-70-6	0.0009 - 0.009	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Citronellol	(CAS-No.) 106-22-9	0.0009 - 0.009	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 2, H401
Benzyl acetate	(CAS-No.) 140-11-4	0.0009 - 0.009	Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Phenethyl alcohol	(CAS-No.) 60-12-8	0.0009 - 0.009	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
4-tert-Butylcyclohexyl acetate	(CAS-No.) 32210-23-4	0.0009 - 0.009	Skin Sens. 1B, H317
Coumarin	(CAS-No.) 91-64-5	0.0009 - 0.009	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317
1,8-Cineol	(CAS-No.) 470-82-6	0.0009 - 0.009	Flam. Liq. 3, H226 Skin Sens. 1B, H317
Geraniol	(CAS-No.) 106-24-1	0.0009 - 0.009	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Terpineol	(CAS-No.) 8000-41-7	0.0009 - 0.009	Flam. Liq. 4, H227
Ethanone, 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthalenyl)-	(CAS-No.) 1506-02-1	0.0009 - 0.009	Acute Tox. 4 (Oral), H302
Ionone, methyl-	(CAS-No.) 1335-46-2	0.0009 - 0.009	Not classified
2-Propenal, 2-methyl-3-phenyl-	(CAS-No.) 101-39-3	0.0009 - 0.009	Skin Sens. 1, H317
2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)-	(CAS-No.) 106-25-2	0.0009 - 0.009	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-	(CAS-No.) 63500-71-0	0.0009 - 0.009	Not classified

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Name	Product identifier	%	GHS US classification
Heptanal, 2-(phenylmethylene)-	(CAS-No.) 122-40-7	0.0009 - 0.009	Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Trisodium-nitritotriacetate	(CAS-No.) 5064-31-3	<= 0.0061	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Carc. 2, H351
Citral	(CAS-No.) 5392-40-5	0.0009 - 0.009	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Skin Sens. 1, H317
Lauryl aldehyde	(CAS-No.) 112-54-9	0.0009 - 0.009	Skin Irrit. 2, H315 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Geranyl acetate	(CAS-No.) 105-87-3	0.0009 - 0.009	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
6-Octenal, 3,7-dimethyl-	(CAS-No.) 106-23-0	0.0009 - 0.009	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Benzyl cinnamate	(CAS-No.) 103-41-3	0.0009 - 0.009	Not classified
Benzenepropanal, .alpha.-methyl-4-(2-methylpropyl)-	(CAS-No.) 6658-48-6	0.0009 - 0.009	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If not breathing, give artificial respiration.
- First-aid measures after skin contact : Wash with soap and water. Seek medical advice if skin irritation develops or persists.
- First-aid measures after eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.
- First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects after inhalation : May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
- Symptoms/effects after skin contact : May cause skin irritation.
- Symptoms/effects after eye contact : Causes serious eye damage.
- Symptoms/effects after ingestion : May be harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : None known.
- Explosion hazard : None known.

5.3. Advice for firefighters

- Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

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6.3. Methods and material for containment and cleaning up

For containment	: Stop the flow of material, if this is without risk.
Methods for cleaning up	: Absorb liquid with an inert material (e.g., sand, sawdust), then scoop up and place in a labeled container. Wash area with water. Place in an approved container and dispose in accordance with local, state and federal regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes. Keep out of reach of children.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in well-ventilated area. Keep from freezing.

-SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Water (7732-18-5)		
Not applicable		
Benzyl salicylate (118-58-1)		
Not applicable		
Linalyl acetate (115-95-7)		
Not applicable		
D-Limonene (5989-27-5)		
AIHA	WEEL TWA (ppm)	30 ppm
Linalool (78-70-6)		
Not applicable		
Citronellol (106-22-9)		
Not applicable		
Benzyl acetate (140-11-4)		
ACGIH	ACGIH TWA (ppm)	10 ppm
Phenethyl alcohol (60-12-8)		
Not applicable		
4-tert-Butylcyclohexyl acetate (32210-23-4)		
Not applicable		
Coumarin (91-64-5)		
Not applicable		
1,8-Cineol (470-82-6)		
Not applicable		
Geraniol (106-24-1)		
Not applicable		
Terpineol (8000-41-7)		
Not applicable		
Ethanone, 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthalenyl)- (1506-02-1)		
Not applicable		
Ionone, methyl- (1335-46-2)		
Not applicable		
2-Propenal, 2-methyl-3-phenyl- (101-39-3)		
Not applicable		

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Citral (5392-40-5)		
ACGIH	ACGIH TWA (ppm)	5 ppm (inhalable fraction and vapor)
2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)- (106-25-2)		
Not applicable		
Lauryl aldehyde (112-54-9)		
Not applicable		
Geranyl acetate (105-87-3)		
Not applicable		
6-Octenal, 3,7-dimethyl- (106-23-0)		
Not applicable		
2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)- (63500-71-0)		
Not applicable		
Benzyl cinnamate (103-41-3)		
Not applicable		
Heptanal, 2-(phenylmethylene)- (122-40-7)		
Not applicable		
Benzenepropanal, .alpha.-methyl-4-(2-methylpropyl)- (6658-48-6)		
Not applicable		
Fatty acids, C12-18, methyl esters, sulfonated, sodium salts (149458-07-1)		
Not applicable		
Sodium sulfate (7757-82-6)		
Not applicable		
Fatty acids, C12-18, methyl esters (68937-84-8)		
Not applicable		
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)		
Not applicable		
Fatty acids, C8-18 and C18-unsaturated (67701-05-7)		
Not applicable		
Trisodium citrate dihydrate (6132-04-3)		
Not applicable		
Sodium hydroxide (1310-73-2)		
ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	2 mg/m ³
IDLH	US IDLH (mg/m ³)	10 mg/m ³
NIOSH	NIOSH REL (ceiling) (mg/m ³)	2 mg/m ³
Glycolic acid, sodium salt (2836-32-0)		
Not applicable		
Trisodium-nitilotriacetate (5064-31-3)		
Not applicable		
Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-.beta.-alaninate (94441-92-6)		
Not applicable		
Alcohols, C12-14, ethoxylated propoxylated (68439-51-0)		
Not applicable		
Subtilisins (proteolytic enzymes) (9014-01-1)		
ACGIH	ACGIH Ceiling (mg/m ³)	0.00006 mg/m ³

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Subtilisins (proteolytic enzymes) (9014-01-1)		
NIOSH	NIOSH REL (STEL) (mg/m ³)	0.00006 mg/m ³
Amylase, .alpha.- (9000-90-2)		
Not applicable		
Sodium 1-octanesulfonate (5324-84-5)		
Not applicable		
Isopropyl alcohol (67-63-0)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	400 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	980 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
IDLH	US IDLH (ppm)	2000 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m ³)	980 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
NIOSH	NIOSH REL (STEL) (mg/m ³)	1225 mg/m ³
NIOSH	NIOSH REL (STEL) (ppm)	500 ppm
Glycerin (56-81-5)		
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (mist, total particulate) 5 mg/m ³ (mist, respirable fraction)
2-Phenoxyethanol (122-99-6)		
Not applicable		
p-Hydroxyacetophenone (99-93-4)		
Not applicable		
1,2-Octanediol (1117-86-8)		
Not applicable		
Alcohols, C12-16, ethoxylated (68551-12-2)		
Not applicable		

8.2. Exposure controls

Appropriate engineering controls	: None required under normal product handling conditions.
Hand protection	: None required under normal product handling conditions.
Eye protection	: None required under normal product handling conditions.
Skin and body protection	: None required under normal product handling conditions.
Respiratory protection	: None required under normal product handling conditions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Clear
Odor	: Characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available

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Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

Not determined.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Water (7732-18-5)	
LD50 oral rat	> 90 ml/kg
Benzyl salicylate (118-58-1)	
LD50 oral rat	2227 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	2227 mg/kg body weight
ATE US (dermal)	14150 mg/kg body weight
Linalyl acetate (115-95-7)	
LD50 oral rat	14550 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	13934 mg/kg body weight
D-Limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg
LD50 dermal rabbit	> 5 g/kg
Linalool (78-70-6)	
LD50 oral rat	2790 mg/kg
LD50 dermal rabbit	2000 mg/kg
ATE US (oral)	2790 mg/kg body weight

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Citronellol (106-22-9)	
LD50 oral rat	3450 mg/kg
LD50 dermal rabbit	2650 mg/kg
ATE US (oral)	3450 mg/kg body weight
ATE US (dermal)	2650 mg/kg body weight
Benzyl acetate (140-11-4)	
LD50 oral rat	2490 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	2490 mg/kg body weight
Phenethyl alcohol (60-12-8)	
LD50 oral rat	1609 mg/kg
LD50 dermal rabbit	2535 mg/kg
LC50 inhalation rat (mg/l)	> 4.63 mg/l/4h
ATE US (oral)	1790 mg/kg body weight
4-tert-Butylcyclohexyl acetate (32210-23-4)	
LD50 oral rat	5 g/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	5000 mg/kg body weight
Coumarin (91-64-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE US (oral)	500 mg/kg body weight
1,8-Cineol (470-82-6)	
LD50 oral rat	2480 mg/kg
ATE US (oral)	2480 mg/kg body weight
Geraniol (106-24-1)	
LD50 oral rat	3600 mg/kg
LD50 dermal rabbit	> 5 g/kg
ATE US (oral)	3600 mg/kg body weight
Terpineol (8000-41-7)	
LD50 oral rat	2900 mg/kg
LD50 dermal rabbit	> 3000 mg/kg
ATE US (oral)	2900 mg/kg body weight
Ethanone, 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthalenyl)- (1506-02-1)	
LD50 oral rat	964 mg/kg
ATE US (oral)	964 mg/kg body weight
Ionone, methyl- (1335-46-2)	
LD50 oral rat	> 5 g/kg
LD50 dermal rabbit	> 5000 mg/kg
2-Propenal, 2-methyl-3-phenyl- (101-39-3)	
LD50 oral rat	2050 mg/kg
LD50 dermal rabbit	> 5 g/kg
ATE US (oral)	2050 mg/kg body weight
Citral (5392-40-5)	
LD50 oral rat	4960 mg/kg
LD50 dermal rabbit	2250 mg/kg
ATE US (oral)	4960 mg/kg body weight
ATE US (dermal)	2250 mg/kg body weight
2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)- (106-25-2)	
LD50 oral rat	4500 mg/kg
LD50 dermal rabbit	> 5 g/kg
ATE US (oral)	4500 mg/kg body weight

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Lauryl aldehyde (112-54-9)	
LD50 oral rat	23 g/kg
ATE US (oral)	23000 mg/kg body weight
Geranyl acetate (105-87-3)	
LD50 oral rat	6330 mg/kg
ATE US (oral)	6330 mg/kg body weight
6-Octenal, 3,7-dimethyl- (106-23-0)	
LD50 oral rat	2420 mg/kg
LD50 dermal rabbit	> 2.5 g/kg
ATE US (oral)	2420 mg/kg body weight
Benzyl cinnamate (103-41-3)	
LD50 oral rat	5530 mg/kg
ATE US (oral)	5530 mg/kg body weight
Heptanal, 2-(phenylmethylene)- (122-40-7)	
LD50 oral rat	3730 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	3730 mg/kg body weight
Sodium sulfate (7757-82-6)	
LD50 oral rat	> 10000 mg/kg
LD50 dermal rabbit	> 4 g/kg
Fatty acids, C12-18, methyl esters (68937-84-8)	
LD50 oral rat	> 2000 mg/kg
Sodium hydroxide (1310-73-2)	
LD50 oral rat	140 - 340 mg/kg
LD50 dermal rabbit	1350 mg/kg
ATE US (dermal)	1350 mg/kg
Glycolic acid, sodium salt (2836-32-0)	
LD50 oral rat	7110 mg/kg
ATE US (oral)	7110 mg/kg body weight
Trisodium-nitilotriacetate (5064-31-3)	
LD50 oral rat	1100 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h
ATE US (oral)	1100 mg/kg body weight
Alcohols, C12-14, ethoxylated propoxylated (68439-51-0)	
LD50 oral rat	3530 mg/kg
ATE US (oral)	3530 mg/kg body weight
Subtilisins (proteolytic enzymes) (9014-01-1)	
LD50 oral rat	3700 mg/kg
ATE US (oral)	500 mg/kg body weight
Amylase, .alpha.- (9000-90-2)	
LD50 oral rat	> 7500 mg/kg
Isopropyl alcohol (67-63-0)	
LD50 oral rat	1870 mg/kg
LD50 dermal rabbit	4059 mg/kg
LC50 inhalation rat (mg/l)	72600 mg/m ³ (Exposure time: 4 h)
ATE US (oral)	1870 mg/kg body weight
ATE US (dermal)	4059 mg/kg body weight
Glycerin (56-81-5)	
LD50 oral rat	12600 mg/kg
LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m ³ (Exposure time: 1 h)
ATE US (oral)	12600 mg/kg

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2-Phenoxyethanol (122-99-6)

LD50 oral rat	1260 mg/kg
LD50 dermal rabbit	5 ml/kg
ATE US (oral)	1260 mg/kg
ATE US (dermal)	14422 mg/kg

Alcohols, C12-16, ethoxylated (68551-12-2)

ATE US (oral)	500 mg/kg body weight
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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

D-Limonene (5989-27-5)

IARC group	3 - Not classifiable
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity

Benzyl acetate (140-11-4)

IARC group	3 - Not classifiable
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Coumarin (91-64-5)

IARC group	3 - Not classifiable
National Toxicology Program (NTP) Status	1 - Evidence of Carcinogenicity

Trisodium-nitritotriacetate (5064-31-3)

IARC group	2B - Possibly carcinogenic to humans
In OSHA Hazard Communication Carcinogen list	Yes

Isopropyl alcohol (67-63-0)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

D-Limonene (5989-27-5)

LC50 fish 1	0.619 - 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

Linalool (78-70-6)

EC50 Daphnia 1	20 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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Phenethyl alcohol (60-12-8)

EC50 Daphnia 1	287.17 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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1,8-Cineol (470-82-6)

LC50 fish 1	95.4 - 109 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
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Citral (5392-40-5)

EC50 Daphnia 1	7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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Sodium sulfate (7757-82-6)	
LC50 fish 1	13500 - 14500 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	2564 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	> 6800 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Fatty acids, C12-18, methyl esters (68937-84-8)	
LC50 fish 1	550 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])

Sodium hydroxide (1310-73-2)	
LC50 fish 1	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

Trisodium-nitrotriacetate (5064-31-3)	
LC50 fish 1	93 - 170 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	560 - 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	175 - 225 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

Isopropyl alcohol (67-63-0)	
LC50 fish 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Glycerin (56-81-5)	
LC50 fish 1	51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

2-Phenoxyethanol (122-99-6)	
LC50 fish 1	337 - 352 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	366 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Linalool (78-70-6)	
Log Pow	2.84 - 3.1 (at 25 °C)

Benzyl acetate (140-11-4)	
Log Pow	1.96

Phenethyl alcohol (60-12-8)	
Log Pow	1.38 (at 25 °C)

Ethanone, 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthalenyl)- (1506-02-1)	
Log Pow	4.6 (at 25 °C)

Citral (5392-40-5)	
Log Pow	2.76 (at 25 °C)

Fatty acids, C12-18, methyl esters (68937-84-8)	
Log Pow	6.02 - 7.81

Isopropyl alcohol (67-63-0)	
Log Pow	0.05 (at 25 °C)

Glycerin (56-81-5)	
BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

2-Phenoxyethanol (122-99-6)	
Log Pow	1.13 (at 25 °C)

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Benzyl salicylate (118-58-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Linalyl acetate (115-95-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

D-Limonene (5989-27-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Linalool (78-70-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Citronellol (106-22-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Benzyl acetate (140-11-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Phenethyl alcohol (60-12-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

4-tert-Butylcyclohexyl acetate (32210-23-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Coumarin (91-64-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

1,8-Cineol (470-82-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Geraniol (106-24-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Terpineol (8000-41-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Ethanone, 1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthalenyl)- (1506-02-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Ionone, methyl- (1335-46-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

2-Propenal, 2-methyl-3-phenyl- (101-39-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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Citral (5392-40-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
2,6-Octadien-1-ol, 3,7-dimethyl-, (Z)- (106-25-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Lauryl aldehyde (112-54-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Geranyl acetate (105-87-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
6-Octenal, 3,7-dimethyl- (106-23-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)- (63500-71-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	P - P - indicates a commenced Premanufacture Notice (PMN) substance.
Benzyl cinnamate (103-41-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Heptanal, 2-(phenylmethylene)- (122-40-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Benzenepropanal, .alpha.-methyl-4-(2-methylpropyl)- (6658-48-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Fatty acids, C12-18, methyl esters, sulfonated, sodium salts (149458-07-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	P - P - indicates a commenced Premanufacture Notice (PMN) substance.
Sodium sulfate (7757-82-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Fatty acids, C12-18, methyl esters (68937-84-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	N - N - indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used. P - P - indicates a commenced Premanufacture Notice (PMN) substance.
Fatty acids, C8-18 and C18-unsaturated (67701-05-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium hydroxide (1310-73-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
CERCLA RQ	1000 lb
Glycolic acid, sodium salt (2836-32-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Trisodium-nitilotriacetate (5064-31-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-.beta.-alaninate (94441-92-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance.
Alcohols, C12-14, ethoxylated propoxylated (68439-51-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
Subtilisins (proteolytic enzymes) (9014-01-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

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Amylase, .alpha.- (9000-90-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Sodium 1-octanesulfonate (5324-84-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Isopropyl alcohol (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Subject to reporting requirements of United States SARA Section 313

SARA Section 313 - Emission Reporting

1 % (only if manufactured by the strong acid process, no supplier notification)

Glycerin (56-81-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

2-Phenoxyethanol (122-99-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

p-Hydroxyacetophenone (99-93-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

1,2-Octanediol (1117-86-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

P - P - indicates a commenced Premanufacture Notice (PMN) substance.

Alcohols, C12-16, ethoxylated (68551-12-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. US State regulations

Benzyl acetate (140-11-4)

U.S. - Minnesota - Hazardous Substance List

U.S. - New Jersey - Right to Know Hazardous Substance List

Sodium sulfate (7757-82-6)

U.S. - Massachusetts - Right To Know List

U.S. - Pennsylvania - RTK (Right to Know) List

Sodium hydroxide (1310-73-2)

U.S. - Massachusetts - Right To Know List

U.S. - Minnesota - Hazardous Substance List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

Trisodium-nitilotriacetate (5064-31-3)

U.S. - Massachusetts - Right To Know List

Isopropyl alcohol (67-63-0)

U.S. - Massachusetts - Right To Know List

U.S. - Minnesota - Hazardous Substance List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

Glycerin (56-81-5)

U.S. - Massachusetts - Right To Know List

U.S. - Minnesota - Hazardous Substance List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Met. Corr. 1	Corrosive to metals Category 1
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1B	Skin sensitization, category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H227	Combustible liquid
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.