

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 09/04/2020 Revision date: 03/19/2024 Supersedes: 08/11/2023

**SECTION 1: Identification** Identification 1.1. Product form : Mixture Product name **OIL, NIGHT BLOOMING JASMINE\*** : CAS-No. N/A Product code 90-3044-17 1.2. Recommended use and restrictions on use 1.3. **Supplier** The Lebermuth Company 4004 Technology Drive South Bend, IN 46628 - United States T 574-259-7000 - F 574-258-7450 info@lebermuth.com - www.lebermuth.com 1.4. **Emergency telephone number** Emergency number : CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300 CCN 13010 SECTION 2: Hazard(s) identification 2.1. **Classification of the substance or mixture GHS US classification** Serious eye damage/eye irritation Category 2 Causes serious eye irritation Skin sensitization, Category 1 May cause an allergic skin reaction Reproductive toxicity Category 2 Suspected of damaging fertility or the unborn child GHS Label elements, including precautionary statements 2.2. **GHS US labeling** Hazard pictograms (GHS US) GHS07 GHS08 Signal word (GHS US) : Warning Hazard statements (GHS US) May cause an allergic skin reaction Causes serious eye irritation Suspected of damaging fertility or the unborn child Obtain special instructions before use. Precautionary statements (GHS US) Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/sprav. Wash hands, forearms and face thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse. Store locked up. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EN (English US)

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2.3. Other hazards which do not result in classification	n
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#### 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
BENZYL SALICYLATE	(CAS-No.) 118-58-1	1 – 5	Eye Irrit. 2, H319 Skin Sens. 1B, H317
PHENYLETHYL ALCOHOL	(CAS-No.) 60-12-8	1 – 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
Diethyl Malonate	(CAS-No.) 105-53-3	1 – 5	Eye Irrit. 2A, H319
2-IsobutyI-4-methyltetrahydro-2H-pyran-4-ol	(CAS-No.) 63500-71-0	1 – 5	Eye Irrit. 2A, H319
D-LIMONENE	(CAS-No.) 5989-27-5	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
ALLYL CYCLOHEXYLPROPIONATE	(CAS-No.) 2705-87-5	1 – 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Sens. 1, H317
1,1-Dimethyl-2-phenylethyl acetate	(CAS-No.) 151-05-3	1 – 5	Skin Irrit. 2, H315
ALPHA TERPINEOL	(CAS-No.) 98-55-5	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
2-Methyl-3-(p-isopropylphenyl)propionaldehyde	(CAS-No.) 103-95-7	1 – 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317
DELTA DAMASCONE	(CAS-No.) 57378-68-4	0.1 – 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1A, H317
p-Methylanisole	(CAS-No.) 104-93-8	0.1 – 1	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Repr. 2, H361

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 general :	IF exposed or concerned: Get medical advice/attention.	
First-aid measures after inhalation :	Remove person to fresh air and keep comfortable for breathing.	
First-aid measures after skin contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.	
First-aid measures after eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
First-aid measures after ingestion	Call a poison center/doctor/physician if you feel unwell.	
4.2. Most important symptoms and effects	(acute and delayed)	
Symptoms/effects after skin contact :	May cause an allergic skin reaction.	
Symptoms/effects after eye contact	Eye irritation.	
4.3. Immediate medical attention and spec	. Immediate medical attention and special treatment, if necessary	
Treat symptomatically.		
SECTION 5: Fire-fighting measures		
5.1. Suitable (and unsuitable) extinguishin	g media	
Suitable extinguishing media :	Water spray. Dry powder. Foam. Carbon dioxide.	

### 5.2. Specific hazards arising from the chemical

Reactivity :

: The product is non-reactive under normal conditions of use, storage and transport.

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5.3.	5.3. Special protective equipment and precautions for fire-fighters			
		: Do not attempt to take action without suitable protective equipment. Self-contained breathing		
1 10100110		apparatus. Complete protective clothing.		
OFOTI				
	CTION 6: Accidental release measures			
6.1.	Personal precautions, protective equ	ipment and emergency procedures		
6.1.1.	For non-emergency personnel			
Emergen	icy procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing		
		dust/fume/gas/mist/vapors/spray.		
6.1.2.	For emergency responders			
Protectiv	e equipment	: Do not attempt to take action without suitable protective equipment. For further information		
		refer to section 8: "Exposure controls/personal protection".		
6.2.	Environmental precautions			
Avoid rel	ease to the environment.			
6.3.	Methods and material for containmer	it and cleaning up		
Methods		: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public		
		waters.		
Other inf	ormation	: Dispose of materials or solid residues at an authorized site.		
6.4.	Reference to other sections			
For furth	er information refer to section 13.			
SECTI	ON 7: Handling and storage			
7.1.	Precautions for safe handling			
	, in the second s	: Ensure good ventilation of the work station. Obtain special instructions before use. Do not		
Trecault		handle until all safety precautions have been read and understood. Wear personal protective		
		equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.		
Hygiene	measures	: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated		
		clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.		
7.0				
<b>7.2</b> .	Conditions for safe storage, including			
Storage	conditions	: Store locked up. Store in a well-ventilated place. Keep cool.		
SECTI	ON 8: Exposure controls/perso	nal protection		
8.1.	Control parameters			
0.1.				
	GHT BLOOMING JASMINE* (N/A) itional information available			
		<b>-</b> \		
	CYCLOHEXYLPROPIONATE (2705-87	-5)		
	itional information available			
-	Malonate (105-53-3)			
	itional information available			
	1,1-Dimethyl-2-phenylethyl acetate (151-05-3)			
No additional information available				
	BENZYL SALICYLATE (118-58-1)			
No additional information available				
D-LIMONENE (5989-27-5)				
No additional information available				
	ALPHA TERPINEOL (98-55-5)			
No add	No additional information available			
	2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)			
No additional information available				
	DELTA DAMASCONE (57378-68-4)			
No add	No additional information available			

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2-IsobutyI-4-methyltetrahydro-2H-pyran-4-ol (63500-71-0)	
No additional information available	
PHENYLETHYL ALCOHOL (60-12-8)	
No additional information available	
p-Methylanisole (104-93-8)	
No additional information available	

#### 8.2. Appropriate engineering controls Appropriate engineering controls

: Ensure good ventilation of the work station.

Environmental exposure controls

: Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### **Respiratory protection:**

[In case of inadequate ventilation] wear respiratory protection.



SECTION 9: Physical and chemical	properties	
9.1. Information on basic physical and o	chemical properties	
Physical state	: Liquid	
Color	: COLORLESS TO PALE YELLOW	
Odor	: CHARACTERISTIC, MATCHING RETAINER SAMPLE	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: Not applicable	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: 98 °C	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: Not applicable.	
Vapor pressure	: No data available	
Relative vapor density at 20°C	: No data available	
Relative density	: 0.953 (0.943 – 0.963)	
Solubility	: Insoluble.	
Partition coefficient n-octanol/water (Log Pow)	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosion limits	: No data available	
Explosive properties	: No data available	
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Oxidizir	ng properties	: No data available
9.2.	Other information	
Refract	ive index	: 1.463 (1.453 – 1.473)
SECT	ION 10: Stability and rea	ctivity
10.1.	Reactivity	
The pro	oduct is non-reactive under norm	al conditions of use, storage and transport.
10.2.	Chemical stability	
Stable	under normal conditions.	
10.3.	Possibility of hazardous rea	actions
No dangerous reactions known under normal conditions of use.		
10.4.	Conditions to avoid	
None u	nder recommended storage and	handling conditions (see section 7).
10.5.	Incompatible materials	
No additional information available		
40.0		

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

onder normal conditions of storage and use, nazardous decomposition products should not be produced.				
SECTION 11: Toxicological information				
11.1. Information on toxicological effects				
Acute toxicity (oral)	: Not classified			
Acute toxicity (dermal)	: Not classified			
Acute toxicity (inhalation)	: Not classified			
ALLYL CYCLOHEXYLPROPIONATE (2705-87-5)				
LD50 oral rat	585 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 480 - 714			
LD50 dermal rabbit	1600 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 430 - 2770			
ATE US (oral)	380 mg/kg body weight			
ATE US (dermal)	1600 mg/kg body weight			
1,1-Dimethyl-2-phenylethyl acetate	(151-05-3)			
ATE US (oral)	3300 mg/kg body weight			
BENZYL SALICYLATE (118-58-1)				
ATE US (oral)	2200 mg/kg body weight			
D-LIMONENE (5989-27-5)				
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))			
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Read-across, Dermal, 7 day(s))			
ALPHA TERPINEOL (98-55-5)				
LD50 oral rat	4300 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2900 - 5700			
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)			
ATE US (oral)	4300 mg/kg body weight			
2-Methyl-3-(p-isopropylphenyl)prop	ionaldehyde (103-95-7)			
LD50 oral rat	3810 mg/kg (Rat, Male / female, Weight of evidence, Oral, 14 day(s))			
LD50 dermal rat	> 5000 mg/kg (Rat, Male, Experimental value, Dermal, 14 day(s))			
ATE US (oral)	3810 mg/kg body weight			
DELTA DAMASCONE (57378-68-4)				
ATE US (oral)	1400 mg/kg body weight			

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PHENYLETHYL ALCOHOL (60-12-8)	
LD50 oral rat	1603 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimenta value, Oral, 14 day(s))
LD50 dermal rabbit	2535 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 4.63 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))
ATE US (oral)	500 mg/kg body weight
p-Methylanisole (104-93-8)	
ATE US (oral)	1900 mg/kg body weight
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
ALPHA TERPINEOL (98-55-5)	
NOAEL (oral,rat,90 days)	≥ 314 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents)
Aspiration hazard	: Not classified
/iscosity, kinematic	: No data available
•	
Symptomoloffooto offor akin contact	· Mov oquad an allergia akin reaction
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
	: May cause an allergic skin reaction. : Eye irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity	: Eye irritation.
Symptoms/effects after eye contact <b>ECTION 12: Ecological informati</b> 2.1. Toxicity Scology - general	<ul> <li>Eye irritation.</li> <li>ion</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> </ul>
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity Scology - general ALLYL CYCLOHEXYLPROPIONATE (270	<ul> <li>Eye irritation.</li> <li>ion</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> </ul>
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity Scology - general ALLYL CYCLOHEXYLPROPIONATE (270	<ul> <li>Eye irritation.</li> <li>ion</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> <li>95-87-5)</li> </ul>
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity Ecology - general ALLYL CYCLOHEXYLPROPIONATE (270 LC50 - Fish [1] EC50 - Crustacea [1]	Eye irritation.      The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.      D5-87-5)      0.13 mg/l Test organisms (species): Pimephales promelas
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity Scology - general ALLYL CYCLOHEXYLPROPIONATE (270 LC50 - Fish [1] EC50 - Crustacea [1] D-LIMONENE (5989-27-5)	<ul> <li>Eye irritation.</li> <li>ion</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> <li>05-87-5)</li> <li>0.13 mg/l Test organisms (species): Pimephales promelas</li> <li>3.8 mg/l Test organisms (species): Daphnia magna</li> </ul>
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity Scology - general ALLYL CYCLOHEXYLPROPIONATE (270 LC50 - Fish [1] EC50 - Crustacea [1] D-LIMONENE (5989-27-5) LC50 - Fish [1]	<ul> <li>Eye irritation.</li> <li>ion</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> <li>05-87-5)         <ul> <li>0.13 mg/l Test organisms (species): Pimephales promelas</li> <li>3.8 mg/l Test organisms (species): Daphnia magna</li> </ul> </li> <li>720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)</li> </ul>
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity Scology - general ALLYL CYCLOHEXYLPROPIONATE (270 LC50 - Fish [1] EC50 - Crustacea [1] D-LIMONENE (5989-27-5) LC50 - Fish [1] EC50 - Crustacea [1]	<ul> <li>Eye irritation.</li> <li>ion</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> <li>05-87-5)</li> <li>0.13 mg/l Test organisms (species): Pimephales promelas</li> <li>3.8 mg/l Test organisms (species): Daphnia magna</li> <li>720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)</li> <li>0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semistatic system, Fresh water, Experimental value, GLP)</li> </ul>
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity Scology - general ALLYL CYCLOHEXYLPROPIONATE (270 LC50 - Fish [1] EC50 - Crustacea [1] D-LIMONENE (5989-27-5) LC50 - Fish [1] EC50 - Crustacea [1] LC50 - Fish [2]	<ul> <li>Eye irritation.</li> <li>ion</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> <li>0.13 mg/l Test organisms (species): Pimephales promelas <ul> <li>3.8 mg/l Test organisms (species): Daphnia magna</li> </ul> </li> <li>720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)</li> <li>0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semistatic system, Fresh water, Experimental value, GLP)</li> <li>702 µg/l Test organisms (species): Pimephales promelas</li> </ul>
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity Scology - general ALLYL CYCLOHEXYLPROPIONATE (270 LC50 - Fish [1] EC50 - Crustacea [1] D-LIMONENE (5989-27-5) LC50 - Fish [1] EC50 - Crustacea [1] LC50 - Fish [2] EC50 - Crustacea [2]	<ul> <li>Eye irritation.</li> <li>ion</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> <li>05-87-5)</li> <li>0.13 mg/l Test organisms (species): Pimephales promelas</li> <li>3.8 mg/l Test organisms (species): Daphnia magna</li> <li>720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)</li> <li>0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semistatic system, Fresh water, Experimental value, GLP)</li> </ul>
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity icology - general ALLYL CYCLOHEXYLPROPIONATE (270 LC50 - Fish [1] EC50 - Crustacea [1] D-LIMONENE (5989-27-5) LC50 - Fish [1] EC50 - Crustacea [1] LC50 - Fish [2] EC50 - Crustacea [2] ALPHA TERPINEOL (98-55-5)	<ul> <li>Eye irritation.</li> <li>ion <ul> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> </ul> </li> <li>05-87-5) <ul> <li>0.13 mg/l Test organisms (species): Pimephales promelas</li> <li>3.8 mg/l Test organisms (species): Daphnia magna</li> </ul> </li> <li>720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value) <ul> <li>0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semistatic system, Fresh water, Experimental value, GLP)</li> <li>702 µg/l Test organisms (species): Pimephales promelas <ul> <li>0.51 mg/l Test organisms (species): Daphnia magna</li> </ul> </li> </ul></li></ul>
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity Ecology - general ALLYL CYCLOHEXYLPROPIONATE (270 LC50 - Fish [1] EC50 - Crustacea [1] D-LIMONENE (5989-27-5) LC50 - Fish [1] EC50 - Crustacea [1] LC50 - Fish [2] EC50 - Crustacea [2] ALPHA TERPINEOL (98-55-5) LC50 - Fish [1]	<ul> <li>Eye irritation.</li> <li>ion</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> <li>b5-87-5)</li> <li>0.13 mg/l Test organisms (species): Pimephales promelas</li> <li>3.8 mg/l Test organisms (species): Daphnia magna</li> <li>720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)</li> <li>0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semistatic system, Fresh water, Experimental value, GLP)</li> <li>702 µg/l Test organisms (species): Pimephales promelas</li> <li>0.51 mg/l Test organisms (species): Daphnia magna</li> <li>70 mg/l Test organisms (species): Daphnia magna</li> </ul>
Symptoms/effects after eye contact SECTION 12: Ecological informati 2.1. Toxicity Ecology - general ALLYL CYCLOHEXYLPROPIONATE (270 LC50 - Fish [1] EC50 - Crustacea [1] D-LIMONENE (5989-27-5) LC50 - Fish [1] EC50 - Crustacea [1] LC50 - Fish [2] EC50 - Crustacea [2] ALPHA TERPINEOL (98-55-5) LC50 - Fish [1] EC50 - Crustacea [1]	<ul> <li>Eye irritation.</li> <li>ion</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> <li><b>15-87-5)</b> <ul> <li>0.13 mg/l Test organisms (species): Pimephales promelas</li> <li>3.8 mg/l Test organisms (species): Daphnia magna</li> </ul> </li> <li>720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)</li> <li>0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP)</li> <li>702 µg/l Test organisms (species): Pimephales promelas</li> <li>0.51 mg/l Test organisms (species): Daphnia magna</li> </ul> <li>70 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)</li> <li>73 mg/l Test organisms (species): Daphnia magna</li>
Symptoms/effects after eye contact SECTION 12: Ecological informati 12.1. Toxicity Ecology - general ALLYL CYCLOHEXYLPROPIONATE (270 LC50 - Fish [1] EC50 - Crustacea [1] D-LIMONENE (5989-27-5) LC50 - Fish [1] EC50 - Crustacea [1] EC50 - Crustacea [2] ALPHA TERPINEOL (98-55-5) LC50 - Fish [1]	<ul> <li>Eye irritation.</li> <li>ion</li> <li>The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.</li> <li><b>15-87-5)</b> <ul> <li>0.13 mg/l Test organisms (species): Pimephales promelas</li> <li>3.8 mg/l Test organisms (species): Daphnia magna</li> </ul> </li> <li>720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)</li> <li>0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP)</li> <li>702 µg/l Test organisms (species): Pimephales promelas</li> <li>0.51 mg/l Test organisms (species): Daphnia magna</li> </ul> <li>70 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)</li> <li>73 mg/l Test organisms (species): Daphnia magna</li>

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2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)		
EC50 - Crustacea [1]	1.4 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi- static system, Fresh water, Experimental value)	
LC50 - Fish [2]	2.49 mg/l Test organisms (species):	
PHENYLETHYL ALCOHOL (60-12-8)		
LC50 - Fish [1]	215 – 464 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 96 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)	
EC50 - Crustacea [1]	287.17 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)	
ErC50 algae	1300 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)	

### 12.2. Persistence and degradability

1,1-Dimethyl-2-phenylethyl acetate (151-05-3)		
Persistence and degradability	Biodegradability in water: no data available.	
ThOD	2.5 g O <sub>2</sub> /g substance	
D-LIMONENE (5989-27-5)	· · · · · · · · · · · · · · · · · · ·	
Persistence and degradability	Readily biodegradable in water.	
ThOD	3.29 g O <sub>2</sub> /g substance	
2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)		
Persistence and degradability	Readily biodegradable in water.	
PHENYLETHYL ALCOHOL (60-12-8)		

Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.45 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.5 g O <sub>2</sub> /g substance
ThOD	2.6 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

1,1-Dimethyl-2-phenylethyl acetate (151-05-3)			
Bioaccumulative potential	No bioaccumulation data available.		
D-LIMONENE (5989-27-5)			
BCF - Fish [1]	864.8 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)		
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)		
Bioaccumulative potential	Potential for bioaccumulation ( $4 \le Log \text{ Kow} \le 5$ ).		
2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)			
BCF - Fish [1]	155 l/kg (Calculated value)		
Partition coefficient n-octanol/water (Log Pow)	3.4 (Practical experience/observation, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 35 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
PHENYLETHYL ALCOHOL (60-12-8)			
Partition coefficient n-octanol/water (Log Pow)	1.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		

### 12.4. Mobility in soil

o data available in the literature
049 – 3.801 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
ow potential for mobility in soil.
C

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.05 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)	
Ecology - soil	Low potential for mobility in soil.	
PHENYLETHYL ALCOHOL (60-12-8)		
Surface tension	59.7 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.5 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)	
Ecology - soil	Highly mobile in soil.	

### 12.5. Other adverse effects

No additional information available

ions
: Dispose of contents/container in accordance with licensed collector's sorting instructions.
on

**Transportation of Dangerous Goods** 

Not regulated

Transport by sea Not regulated

Air transport

Not regulated

### **SECTION 15: Regulatory information**

15.1. US Federal regulations

Diethyl Malonate (105-53-3)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory			
ALPHA TERPINEOL (98-55-5)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory			
2-IsobutyI-4-methyltetrahydro-2H-pyran-4-ol (63500-71-0)			
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance.		

15.2. International regulations CANADA

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ALLYL CYCLOHEXYLPROPIONATE (2705-87-5) Listed on the Canadian DSL (Domestic Substances List)
Diethyl Malonate (105-53-3)
Listed on the Canadian DSL (Domestic Substances List)
1,1-Dimethyl-2-phenylethyl acetate (151-05-3) Listed on the Canadian DSL (Domestic Substances List)
BENZYL SALICYLATE (118-58-1)
Listed on the Canadian DSL (Domestic Substances List)
ALPHA TERPINEOL (98-55-5)
Listed on the Canadian DSL (Domestic Substances List)
2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)
Listed on the Canadian DSL (Domestic Substances List)
DELTA DAMASCONE (57378-68-4)
Listed on the Canadian DSL (Domestic Substances List)
2-IsobutyI-4-methyItetrahydro-2H-pyran-4-ol (63500-71-0)
Listed on the Canadian DSL (Domestic Substances List)
PHENYLETHYL ALCOHOL (60-12-8)
Listed on the Canadian DSL (Domestic Substances List)
p-Methylanisole (104-93-8)
Listed on the Canadian DSL (Domestic Substances List)
EU-Regulations No additional information available National regulations
ALLYL CYCLOHEXYLPROPIONATE (2705-87-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
1,1-Dimethyl-2-phenylethyl acetate (151-05-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
BENZYL SALICYLATE (118-58-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
DELTA DAMASCONE (57378-68-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)
2-IsobutyI-4-methyItetrahydro-2H-pyran-4-ol (63500-71-0)

#### PHENYLETHYL ALCOHOL (60-12-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

### p-Methylanisole (104-93-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

3. US State regulations         This product can expose you to toluene - impurity , which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.         This product can expose you to benzene - impurity, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.         This product can expose you to styrene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to furocoumarines (e. g. trioxysalen (inn), 8-methoxypsoralen, 5-methoxypsoralen) except for normal content in natural essences used. in sunprotection and in bronzing products, furocoumarines shall be below 1 mg/kg, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to methyl eugenol, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to methyl eugenol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.         This product can expose you to estragole, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information				
<ul> <li>reproductive harm. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to benzene - impurity, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to styrene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to truocoumarines (e. g. trioxysalen (inn), 8-methoxypsoralen, 5-methoxypsoralen) except for normal content in natural essences used. in sunprotection and in bronzing products, furocoumarines shall be below 1 mg/kg, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to methyl eugenol, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to methyl eugenol, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to methanol - impurity, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to estragole, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.g</li></ul>	15.3. US State regul	ations		
<ul> <li>defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to styrene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to furocoumarines (e. g. trioxysalen (inn), 8-methoxypsoralen, 5-methoxypsoralen) except for normal content in natural essences used. in sunprotection and in bronzing products, furocoumarines shall be below 1 mg/kg, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to methyl eugenol, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to methanol - impurity, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to estragole, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> <li>This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.</li> </ul>				
go to www.P65Warnings.ca.gov.         ▲ WARNING:         This product can expose you to furocoumarines (e. g. trioxysalen (inn), 8-methoxypsoralen, 5-methoxypsoralen) except for normal content in natural essences used. in sunprotection and in bronzing products, furocoumarines shall be below 1 mg/kg, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to methyl eugenol, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to methanol - impurity, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.         This product can expose you to estragole, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.         This product can expose you to estragole, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more informatio				
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other reproductive harm. For more information go to www.P65Warnings.ca.gov.         This product can expose you to estragole, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         This product can expose you to beta-myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.         Somponent       State or local regulations				
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information go to www.P65Warnings.ca.gov. Component State or local regulations				
iethyl Malonate(105-53-3) U.S New Jersey - Right to Know Hazardous Substance List	Component		State or local regulations	
	Diethyl Malonate(10	05-53-3)	U.S New Jersey - Right to Know Hazardous Substance List	

<b>SECTION 16: Other info</b>	ormation
Revision date	: 03/19/2024
Full text of H-phrases:	
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child

#### SDS US (GHS HazCom 2012) - Lebermuth

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.