## Givaudan

RD//LEMON LAVE	NDER	
Version 1.0	Revision Date 11 FEB 2022	Print Date 11 FEB 2022
SECTION 1. Identificatio	on of the substance/mixture and o	of the company/undertaking
1.1 Product identifier		
Sales No.	: SZU282 RD//LEMON LAVENDER	
1.2 Relevant identified use	es of the substance or mixture and us	ses advised against
Intended Use Fragrance	es : Perfume compound	
1.3 Details of the supplier	of the safety data sheet	
Company	Givaudan Fragrances (Guar East Section of GETDD No.66, Hongjing Road GUANGZHOU 510760 GUANGDONG CHINA	ngzhou) Ltd.
Telephone Telefax E-mail address Responsible/issuing pe	: +862062985000 : +862062985010 : rson	
1.4 Emergency telephone	number	
+8653283889090 Please refer to section provider.	16 for a full list of emergency phone nu	mbers, from Givaudan's 24/7
SECTION 2. Hazards ide	entification	
2.1 Classification of the su	Ibstance or mixture	
	ATION (EC) No 1272/2008)	
Skin irritation, Category Eye irritation, Category Skin sensitisation, Cate Long-term (chronic) aqu Category 2	2H315: Causes sk2H319: Causes segory 1H317: May causes	in irritation. prious eye irritation. e an allergic skin reaction. quatic life with long lasting effects.
2.2 Label elements		
Labelling (REGULATIO	ON (EC) No 1272/2008)	
Administrative information: Report Information: SDS_EU/EN/0 Sales & Distribution Information: 0		

Shipping Order Information: 23 360 650/17 312 474

LIGTORA DISTORT			
Hazard pictograms		$\boldsymbol{>}\langle$	
Signal word	: Warning	)	
Hazard statements	: H315 H317 H319 H411		Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effec
Precautionary statements	: <b>Prevent</b> P261 P264 P273 P280		Avoid breathing mist or vapours. Wash skin thoroughly after handling. Avoid release to the environment. Wear protective gloves/ eye protection/ fa protection.
	<b>Respon</b> P333 + I P391		If skin irritation or rash occurs: Get medica advice/ attention. Collect spillage.
	e)		7
<ul> <li>Eucalyptus oil</li> <li>linalool</li> <li>citral</li> <li>(R)-p-mentha-1,8-diene</li> <li>2H-1-benzopyran-2-one</li> <li>Oils, Lavandin</li> <li>3,7-dimethyl-6-octen-1-ccitronellol)</li> <li>hexyl 2-hydroxybenzoate</li> <li>Terpenes and Terpenoid</li> <li>2-methoxy-4-(2-propen-(eugenol)</li> <li>2,4-dimethylcyclohex-3-eccarbaldehyde</li> <li>2-hexyl-3-phenyl-2-propecis)</li> <li>3,7-Dimethyl-2,6-octadiecacetate(cis &amp; trans isom</li> </ul>	(=coumarin) ol (= ds, lemon-oil 1-yl)-phenol ene-1- enal (trans & en-1-yl	8000-48 78-70-6 5392-40 5989-27 91-64-5 93455-9 106-22- 6259-76 68917-3 97-53-0 68039-4 101-86- 141-12-	3-4 -5 -6-0 9 -3-3 -3-3 -3-9 -49-6 0

### SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

# Givaudan

#### **RD//LEMON LAVENDER**

	· · · = · · = = · ·		
Version 1.0	Revision Date 1	1 FEB 2022	Print Date 11 FEB 2022
	-cyclohexylpropanoate lohexyl propionate)	2705-87-5	
2.3 Other hazards			
Hazards not Oth Classified.	erwise : None		

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### SECTION 3. Composition/information on ingredients

#### 3.2 Mixtures

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [Percent by weight]
3,7-dimethyl-1,6-octadien-3-yl acetate (= linalyl acetate)	115-95-7 204-116-4 01-2119454789-19	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317 Acute toxicity estimate Acute oral toxicity: 13 934,00 mg/kg Acute dermal toxicity: > 5 000,00 mg/kg	>= 10 - < 20
2,6-dimethyl-7-octen-2-ol	18479-58-8 242-362-4 01-2119457274-37	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute toxicity estimate	>= 5 - < 10

### Givaudan

#### **RD**//LEMON LAVENDER

Version 1.0

Revision Date 11 FEB 2022

Print Date 11 FEB 2022

		Acute oral toxicity: 3 600,00 mg/kg	
Eucalyptus oil	8000-48-4 84625-32-1 283-406-2 01-2119978250-37	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Chronic 2; H411 Acute toxicity	>= 5 - < 10
		estimate	
		Acute oral toxicity: 4 440 mg/kg	
linalool	78-70-6 201-134-4 01-2119474016-42	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	>= 1 - < 5
		Acute toxicity estimate	
		Acute oral toxicity: 2 790,00 mg/kg	
citral	5392-40-5 226-394-6 01-2119462829-23	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	>= 1 - < 5
		Acute toxicity estimate	
		Acute oral toxicity: 4 960,00 mg/kg Acute dermal toxicity: 2 250,00 mg/kg	
(R)-p-mentha-1,8-diene	5989-27-5 227-813-5 01-2119529223-47	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 1 - < 2,5
		M-Factor (Acute	

### Givaudan

#### **RD**//LEMON LAVENDER

Version 1.0

Revision Date 11 FEB 2022

Print Date 11 FEB 2022

		aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	
		Acute toxicity estimate	
		Acute oral toxicity: 5 600,00 mg/kg Acute dermal toxicity: > 5 000,00 mg/kg	
2H-1-benzopyran-2-one (=coumarin)	91-64-5 202-086-7 01-2119949300-45	Acute Tox. 4; H302 Skin Sens. 1B; H317	>= 1 - < 5
		Acute toxicity estimate	
		Acute oral toxicity: 520 mg/kg	
Benzyl acetate	140-11-4 205-399-7 01-2119638272-42	Aquatic Chronic 3; H412	>= 1 - < 2,5
		Acute toxicity estimate	
		Acute oral toxicity: 2 490,00 mg/kg	
Oils, Lavandin	93455-96-0 8022-15-9 297-384-7	Eye Irrit. 2; H319 Skin Sens. 1B; H317	>= 1 - < 2,5
	01-2120736147-55	Aquatic Chronic 3; H412	
		Acute toxicity estimate	
		Acute oral toxicity: > 5 000,00 mg/kg Acute dermal toxicity: > 5 000,00 mg/kg	
3-hydroxy-2-ethyl-4H-pyran-4-one (=ethyl maltol)	4940-11-8 225-582-5	Acute Tox. 4; H302	>= 1 - < 5
		Acute toxicity estimate	

### Givaudan

#### **RD**//LEMON LAVENDER

Version 1.0

Revision Date 11 FEB 2022

Print Date 11 FEB 2022

		Acute oral toxicity: 1 150,00 mg/kg	
2-(4-methylcyclohex-3-en-1- yl)propan-2-ol (= Terpineol)	8000-41-7 98-55-5 232-268-1	Skin Irrit. 2; H315 Eye Irrit. 2; H319	>= 1 - < 5
	01-2119553062-49	Acute toxicity estimate	
		Acute oral toxicity: 4 000,00 mg/kg	
3,7-dimethyl-6-octen-1-ol (= citronellol)	106-22-9 203-375-0 01-2119453995-23	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	>= 1 - < 5
		Acute toxicity estimate	
		Acute oral toxicity: 3 450,00 mg/kg Acute dermal toxicity: 2 650,00 mg/kg	
decanal	112-31-2 203-957-4 01-2119967771-26	Eye Irrit. 2; H319 Aquatic Chronic 3; H412	>= 1 - < 2,5
		Acute toxicity estimate	
		Acute oral toxicity: > 33 320 mg/kg Acute dermal toxicity: 4 173 mg/kg	
hexyl 2-hydroxybenzoate	6259-76-3 228-408-6 01-2119638275-36	Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 1 - < 2,5
		M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	
		Acute toxicity	

### Givaudan

#### **RD**//LEMON LAVENDER

Version 1.0

Revision Date 11 FEB 2022

Print Date 11 FEB 2022

		estimate	
		Acute oral toxicity: > 5 000,00 mg/kg Acute dermal toxicity: > 5 000,00 mg/kg	
Ferpenes and Terpenoids, lemon-oil	68917-33-9 84929-31-7 284-515-8 01-2119495512-35	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 0,25 - < 1
2-methoxy-4-(2-propen-1-yl)-phenol eugenol)	97-53-0 202-589-1 01-2119971802-33	Eye Irrit. 2; H319 Skin Sens. 1B; H317 Acute toxicity estimate Acute oral toxicity: 2 130,00 mg/kg	>= 0,1 - < 1
2,4-dimethylcyclohex-3-ene-1- carbaldehyde	68039-49-6 943-728-2 01-2119982384-28	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411 Acute toxicity estimate Acute oral toxicity: > 3 100,00 mg/kg Acute dermal toxicity: 5 000,00 mg/kg	>= 0,25 - < 1
2-hexyl-3-phenyl-2-propenal (trans & cis)	101-86-0 165184-98-5 639-566-4 01-2119533092-50	Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute aquatic toxicity): 1 Acute toxicity estimate	>= 0,25 - < 1

### Givaudan

#### **RD**//LEMON LAVENDER

Version 1.0

Revision Date 11 FEB 2022

Print Date 11 FEB 2022

$\Omega$ proposed $\Omega(2)$ mother densities a set of the	67624 00 0	3 100,00 mg/kg	. 0.05 1
2-propenyl 2(3)-methylbutoxyacetate	67634-00-8	Acute Tox. 4; H302	>= 0,25 - < 1
	67634-01-9	Acute Tox. 2; H330	
	916-328-0	Acute Tox. 4; H312	
		Aquatic Acute 1;	
		H400	
		M-Factor (Acute	
		aquatic toxicity): 1	
		Acute toxicity	
		estimate	
		Acute oral toxicity:	
		730,00 mg/kg	
3,7-Dimethyl-2,6-octadien-1-yl acetate(cis & trans isomers)	141-12-8 205-459-2 01-2120748334-54	Skin Sens. 1B; H317	>= 0,1 - < 1
	01-2120740334-34	Acute toxicity	
		estimate	
		estimate	
		Acute oral toxicity:	
		> 5 000,00 mg/kg	
		Acute dermal	
		toxicity: > 5 000,00	
		mg/kg	
methyl 3-phenyl-2-propenoate (=	103-26-4	Skin Sens. 1B;	>= 0,1 - < 1
methyl cinnamate)	203-093-8	H317	,
, , , , , , , , , , , , , , , , , , ,	01-2119979458-16		
		Acute toxicity	
		estimate	
		countate	
		Acute oral toxicity:	
		2 610,00 mg/kg	
		Acute dermal	
		toxicity: > 5 000,00	
		mg/kg	
2-propenyl 3-cyclohexylpropanoate	2705-87-5	Acute Tox. 4; H302	>= 0,1 - <
(= allyl 3-cyclohexyl propionate)	220-292-5	Acute Tox. 4; H332	0,25
	01-2119976355-27	Acute Tox. 4; H312	0,20
	01 2110070000-27	Skin Sens. 1; H317	
		Aquatic Acute 1; H400	
		Aquatic Chronic 1;	
		H410	
		M-Factor (Acute	
		aquatic toxicity): 1	
		M-Factor (Chronic	
			<u> </u>

### Givaudan

#### **RD**//LEMON LAVENDER

Version 1.0

Revision Date <u>11 FEB 2022</u>

Print Date 11 FEB 2022

		aquatic toxicity): 1	
		Acute toxicity estimate	
		Acute oral toxicity: 1 051,00 mg/kg Acute dermal toxicity: 1 600,00 mg/kg	
diphenyl ether	101-84-8 202-981-2 01-2119472545-33	Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 3; H412	>= 0,1 - < 0,25
		M-Factor (Acute aquatic toxicity): 1	
		Acute toxicity estimate	
		Acute oral toxicity: 2 450,00 mg/kg Acute dermal toxicity: > 7 940,00 mg/kg	
2,6-bis(1,1-dimethylethyl)-4- methylphenol	128-37-0 204-881-4 01-2119565113-46	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,1 - < 0,25
		M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	
		Acute toxicity estimate	
		Acute dermal toxicity: > 5 000,00 mg/kg	
For the full text of the H-Statements	mentioned in this Se	ection, see Section 16	
ninistrative information: port Information: SDS_EU/EN/GHS_SDS_EU_ es & Distribution Information: GZ03/FR/CN13/0			

### Givaudan

**RD**//LEMON LAVENDER Version 1.0 Revision Date 11 FEB 2022 Print Date 11 FEB 2022 **SECTION 4. First aid measures** 4.1 Description of first aid measures General advice : Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended. If inhaled : If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician. In case of skin contact : If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes. In case of eye contact : Remove contact lenses. Immediately flush eyes for at least 15 minutes. Get medical attention. : Keep respiratory tract clear. If swallowed Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. 4.2 Most important symptoms and effects, both acute and delayed Symptoms : no data available Risks : no data available 4.3 Indication of any immediate medical attention and special treatment needed Treatment : no data available SECTION 5. Firefighting measures 5.1 Extinguishing media Suitable extinguishing media : Dry chemical Alcohol-resistant foam Carbon dioxide (CO2) Water spray Unsuitable extinguishing : no data available media 5.2 Special hazards arising from the substance or mixture Specific hazards during : Do not allow run-off from fire fighting to enter drains or water firefighting courses. Administrative information: Report Information: SDS\_EU/EN/GHS\_SDS\_EU\_REGION/31 Sales & Distribution Information: GZ03/FR/CN13/01

Shipping Order Information: 23 360 650/17 312 474

### Givaudan

RD//LEMON LAVENDE	rision Date 11 FEB 2022	Print Date 11 FEB 2022
5.3 Advice for firefighters		
Special protective equipmen for firefighters	t : Wear self-contained breathing ap necessary.	pparatus for firefighting if
Further information	: Collect contaminated fire extingu must not be discharged into drair Fire residues and contaminated f be disposed of in accordance wit	ns. The extinguishing water must
SECTION 6. Accidental relea		
6.1 Personal precautions, prote	ective equipment and emergency pro	cedures
Personal precautions 6.2 Environmental precautions	: no data available	
Environmental precautions	: Prevent product from entering dr. If the product contaminates rivers respective authorities.	
6.3 Methods and materials for o	containment and cleaning up	
Methods for cleaning up	: Soak up with inert absorbent mat acid binder, universal binder, sav Keep in suitable, closed containe	vdust).
6.4 Reference to other sections		
Not applicable		
SECTION 7. Handling and st	orage	
7.1 Precautions for safe handli	ng	
Advice on safe handling	: Do not breathe vapours/dust. Avoid exposure - obtain special in Avoid contact with skin and eyes For personal protection see secti Smoking, eating and drinking sho application area. Dispose of rinse water in accorda regulations.	on 8. ould be prohibited in the
Advice on protection against fire and explosion		fire protection.
Temperature class	: no data available : no data available	

## Givaudan

RD//LEMON LAVEN	<b>IDER</b>		
Version 1.0	Revision	Date 11 FEB 2022	Print Date 11 FEB 2022
Dust explosion class	:	no data available	
7.2 Conditions for safe stor	rage, incl	uding any incompatibilitie	s
Requirements for storag areas and containers	e :	place. Containers which are open kept upright to prevent leak	king materials must comply with
Further information on storage conditions Advice on common stora Storage class (TRGS 51 Other data	age : 0) :	Ambient / 10-30°C (50 -85°F Dry, well ventilated, prefera Protect against light. 10 Combustible liquids No decomposition if stored	bly full, hermetically sealed
7.3 Specific end use(s) Specific use(s)	:	no data available	

#### SECTION 8. Exposure controls/personal protection

#### 8.1 Control parameters

Components			CAS-No.	Value	Control parameters	Update	Basis
diphenyl ether			101-84-8	TWA	1 ppm 7 mg/m3	2017-02-01	2017/164/ EU
Further information	:	Indicative					
				STEL	2 ppm 14 mg/m3	2017-02-01	2017/164/ EU
Further information	:	Indicative					
DNEL 112-31-2			Exposu		s Inhalation ffects: Long-term s	systemic effect	S
Iministrative informatio eport Information: SDS ales & Distribution Info hipping Order Informat	EEU rma	tion: GZ03/FR	2/CN13/01	DN/31			

### Givaudan

RD//LEMON LAVENDER		
Version 1.0 Revision	Date 11 FEB 2022	Print Date 11 FEB 2022
	Value: 24,86 mg/m3	
	End Use: Workers Exposure routes: Inhalation Potential health effects: Acute system Value: 49,71 mg/m3	ic effects
	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term loc Value: 62,14 mg/m3	al effects
	End Use: Workers Exposure routes: Inhalation Potential health effects: Acute local ef Value: 124,3 mg/m3	fects
	End Use: Workers Exposure routes: Dermal Potential health effects: Long-term sys Value: 7,05 mg/kg bw/day	stemic effects
	End Use: Workers Exposure routes: Dermal Potential health effects: Acute system Value: 14,1 mg/kg bw/day	ic effects
	End Use: Workers Exposure routes: Dermal Potential health effects: Long-term loc Value: 17,62 mg/cm2	al effects
	End Use: Workers Exposure routes: Dermal Potential health effects: Acute local ef Value: 35,24 mg/cm2	fects
	End Use: Consumer use Exposure routes: Inhalation Potential health effects: Long-term sys Value: 6,13 mg/m3	stemic effects
	End Use: Consumer use Exposure routes: Inhalation Potential health effects: Acute system Value: 12,26 mg/m3	ic effects
	End Use: Consumer use Exposure routes: Inhalation	
Administrative information: Report Information: SDS_EU/EN/GHS_SDS_E Sales & Distribution Information: GZ03/FR/CN		

### Givaudan

RD//LEMON LAVENDER	
Version 1.0 Revision	Date 11 FEB 2022 Print Date 11 FEB 2022
	Potential health effects: Long-term local effects Value: 15,32 mg/m3
	End Use: Consumer use Exposure routes: Inhalation Potential health effects: Acute local effects Value: 30,65 mg/m3
	End Use: Consumer use Exposure routes: Dermal Potential health effects: Long-term systemic effects Value: 3,52 mg/kg bw/day
	End Use: Consumer use Exposure routes: Dermal Potential health effects: Acute systemic effects Value: 7,05 mg/kg bw/day
	End Use: Consumer use Exposure routes: Dermal Potential health effects: Long-term local effects Value: 8,81 mg/cm2
	End Use: Consumer use Exposure routes: Dermal Potential health effects: Acute local effects Value: 17,62 mg/cm2
	End Use: Consumer use Exposure routes: Oral Potential health effects: Long-term systemic effects Value: 3,52 mg/kg bw/day
PNEC	
-	Fresh water Value: 0,00117 mg/l
	Fresh water sediment Value: 0,097 mg/kg dry weight (d.w.)
	Marine water Value: 0,000117 mg/l
	Marine sediment Value: 0,00972 mg/kg dry weight (d.w.)
	Sewage treatment plant Value: 3,16 mg/l
Administrativo information	
Administrative information: Report Information: SDS_EU/EN/GHS_SDS_E	
Sales & Distribution Information: GZ03/FR/CN Shipping Order Information: 23 360 650/17 31	

Shipping Order Information: 23 360 650/17 312 474

## Givaudan

#### **RD//LEMON LAVENDER**

Version 1.0

Revision Date 11 FEB 2022

Print Date 11 FEB 2022

Soil Value: 0,019 mg/kg dry weight (d.w.)

#### 8.2 Exposure controls

Exposure assessment: Exposures are dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the prod-uct's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional PPE. The PPE indicated below are recommendations for worst-case scenario exposures. An exposure assessment will identify more applicable measures to be implemented. EN and ANSI standards are mentioned in the following recommendations, consult equivalent local standards when required.

PPE is always the last resort to avoid exposure. In any case technical and organisational measures have to be explored and used prior to the selection of PPE. The PPE selection is for operators trained to work with chemicals according to good industrial hygiene and safety practice. Operators have to be trained on the use of PPE.

#### 8.2.1 Engineering measures

Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use the product only with adequate ventilation.

#### 8.2.2 Personal protective equipment

Eye/face protection	:	Use safety goggles and faceshield tested according to EN 166/ ANSI Z87.1 or equivalent local standard.
Hand protection	:	Use gloves when handling substance in open systems. Inspect gloves prior to use. Train operators for proper use.If only incidental exposure is expected: (work without direct contact to substance) use gloves tested according EN 16523- 1/ASTM F739 or equivalent local standard breakthrough times at least 10 minutes, tested for chemicals indicated in chapter 3 of this SDS. Change gloves frequently. If direct skin contact is expected: use gloves tested according to EN 16523-1/ASTM F739 or equivalent local standard, tested for chemicals indicated in chapter 3 of this SDS. Permeation time must exceed contact time.
Other skin protection	:	Wear working clothes covering arms and legs. The type of protective equipment must be selected according
Administrative information: Report Information: SDS_EU/EN/GHS_S Sales & Distribution Information: GZ03/FF Shipping Order Information: 23 360 650/1	R/CN	13/01

### Givaudan

	Revision Date 11 FEB 2022	Print Date 11 FEB
		ount of the hazardous substan se apron and sleeve covers or posure is expected.
Respiratory protection	If there are no applicable ex approved respirator where the effects, including but not lim or where indicated by the ex air-purifying or positive-pres the results of the exposure a evaluation of the specific op	e limit requirements or guideline posure limits or guidelines, use here is a potential for adverse ited to respiratory irritation or o cosure assessment. Selection sure supplied-air will depend o assessment which includes an erations and the potential airbo ncy conditions, use an approve
	acceptable, use type: ABEK-P3 (EN 14387) OR C	or equivalent local standard) a
Thermal hazards	: Wear appropriate thermal pl necessary.	rotective clothing, when
Hygiene measures	: Remove contaminated cloth before entering eating areas Do not eat, drink or smoke of Wash hands any time after l	s. during work.
8.2.3 Environmental ex	posure controls	
General advice	: Prevent product from enterin If the product contaminates respective authorities.	ng drains. rivers and lakes or drains inforr

#### 9.1 Information on basic physical and chemical properties

		• •	
Physical state Form Colour	:	liquid Clear liquid colorless to Pale yellow	
Administrative information:			
Report Information: SDS_EU/E	EN/GHS_SDS_E	J_REGION/31	
Sales & Distribution Informatio	n: GZ03/FR/CN1	3/01	

Shipping Order Information: 23 360 650/17 312 474

## Givaudan

RD//LEMON LAVENDER	2	
Version 1.0 Revis	ion Date 11 FEB 2022	Print Date 11 FEB 2022
Taste Odour Odour Threshold Flash point Lower explosion limit Upper explosion limit Flammability Oxidizing properties Auto-ignition temperature Decomposition temperature pH Vapour pressure Density Bulk density Water solubility Solubility/qualitative Partition coefficient: n- octanol/water Viscosity, kinematic Relative vapour density Evaporation rate Explosive properties <b>9.2 Other information</b> Not applicable	<ul> <li>not determined</li> <li>aromatic, Citrus-like</li> <li>Not applicable</li> <li>72 °C Method: Grabner miniflash</li> <li>not determined</li> <li>not determined</li> <li>not determined</li> <li>no data available</li> <li>not determined</li> <li>not determined</li> <li>not determined</li> <li>not determined</li> <li>0,327 hPa at 20 °C Calculated</li> <li>960,26 kg/m3 at 20 °C</li> <li>Not applicable</li> <li>not determined</li> <li>not data available</li> <li>no data available</li> </ul>	
SECTION 10. Stability and read	ctivity	
10.1 Reactivity		
none		
10.2 Chemical stability		
The product is chemically stabl	e.	
10.3 Possibility of hazardous read		
	: No decomposition if stored and a	applied as directed.
10.4 Conditions to avoid	,	
Conditions to avoid	: no data available	
	. IIU Udla avallable	
10.5 Incompatible materials		
Materials to avoid	: no data available	
10.6 Hazardous decomposition p	roducts	
Hazardous decomposition products	: no data available	
Administrative information: Report Information: SDS_EU/EN/GHS_SDS Sales & Distribution Information: GZ03/FR/ Shipping Order Information: 23 360 650/17	CN13/01	

#### SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

### Givaudan

#### **RD**//LEMON LAVENDER

Version 1.0 Revision Date 11 FEB 2022 Print Date 11 FEB 2022 Thermal decomposition : no data available SECTION 11. Toxicological information 11.1 Information on toxicological effects Acute toxicity Acute oral toxicity : Acute toxicity estimate Dose: > 2 000 mg/kg Method: Calculation method Acute oral toxicity 3,7-dimethyl-1,6-octadien-3-: LD50: 13 934 mg/kg Species: Rat yl acetate (= linalyl acetate) 2,6-dimethyl-7-octen-2-ol : LD50: 3 600 mg/kg Species: Rat Eucalyptus oil : LD50: 4 440 mg/kg Species: Rat linalool : LD50: 2 790 mg/kg Species: Rat citral : LD50: 4 960 mg/kg Species: Rat (R)-p-mentha-1,8-diene : LD50: 5 600 mg/kg Species: Mouse 2H-1-benzopyran-2-one : LD50: 520 mg/kg Species: Rat (=coumarin) Benzyl acetate : LD50: 2 490 mg/kg Species: Rat Oils, Lavandin : LD50: > 5 000 mg/kg Species: Rat 3-hydroxy-2-ethyl-4H-pyran-: LD50: 1 150 mg/kg Species: Rat 4-one (=ethyl maltol) 2-(4-methylcyclohex-3-en-1-: LD50: 4 000 mg/kg Species: Rat yl)propan-2-ol (= Terpineol) 3,7-dimethyl-6-octen-1-ol (= Species: Rat : LD50: 3 450 mg/kg citronellol) Administrative information:

# Givaudan

D//LEMON LAVENDE	sion Date 11 FEB 2022	Print Date 11 FEB 2
decanal	: LD50: > 33 320 mg/kg	Species: Rat
hexyl 2-hydroxybenzoate	: LD50: > 5 000 mg/kg	Species: Rat
2-methoxy-4-(2-propen-1-yl)- phenol (eugenol)	: LD50: 2 130 mg/kg	Species: Guinea pig
2,4-dimethylcyclohex-3-ene- 1-carbaldehyde	: LD50: > 3 100 mg/kg	Species: Rat
2-hexyl-3-phenyl-2-propenal (trans & cis)	: LD50: 3 100 mg/kg	Species: Rat
2-propenyl 2(3)- methylbutoxyacetate	: LD50: 730 mg/kg	Species: Rat
3,7-Dimethyl-2,6-octadien-1- yl acetate(cis & trans isomers)	: LD50: > 5 000 mg/kg	Species: Rat
methyl 3-phenyl-2- propenoate (= methyl cinnamate)	: LD50: 2 610 mg/kg	Species: Rat
2-propenyl 3- cyclohexylpropanoate (= allyl 3-cyclohexyl propionate)	: LD50: 1 051 mg/kg	Species: Rat
diphenyl ether	: LD50: 2 450 mg/kg	Species: Rat
Acute inhalation toxicity	: Acute toxicity estimate Expo Dose: > 20,00 mg/l Method: Calculation method	
Acute dermal toxicity	: No data is available on the	product itself.
Acute dermal toxicity 3,7-dimethyl-1,6-octadien-3- yl acetate (= linalyl acetate)	: LD50: > 5 000 mg/kg	Species: Rabbit
citral	: LD50: 2 250 mg/kg	Species: Rabbit
(R)-p-mentha-1,8-diene	: LD50: > 5 000 mg/kg	Species: Rabbit
ninistrative information: ort Information: SDS_EU/EN/GHS_SD ss & Distribution Information: GZ03/FR pping Order Information: 23 360 650/17	/CN13/01	

## Givaudan

sion 1.0 Revis	ion Date 11 FEB 2022	Print Date 11 FEB
Oile Levendin		Crasica: Dakhit
Oils, Lavandin	: LD50: > 5 000 mg/kg	Species: Rabbit
3,7-dimethyl-6-octen-1-ol (= citronellol)	: LD50: 2 650 mg/kg	Species: Rabbit
decanal	: LD50: 4 173 mg/kg	Species: Rabbit
hexyl 2-hydroxybenzoate	: LD50: > 5 000 mg/kg	Species: Rabbit
2,4-dimethylcyclohex-3-ene- 1-carbaldehyde	: LD50: 5 000 mg/kg	Species: Rabbit
3,7-Dimethyl-2,6-octadien-1- yl acetate(cis & trans isomers)	: LD50: > 5 000 mg/kg	Species: Rabbit
methyl 3-phenyl-2- propenoate (= methyl cinnamate)	: LD50: > 5 000 mg/kg	Species: Rabbit
2-propenyl 3- cyclohexylpropanoate (= allyl 3-cyclohexyl propionate)	: LD50: 1 600 mg/kg	Species: Rabbit
diphenyl ether	: LD50: > 7 940 mg/kg	Species: Rabbit
2,6-bis(1,1-dimethylethyl)-4- methylphenol	: LD50: > 5 000 mg/kg	Species: Rabbit
Acute toxicity (other routes of administration)	: No data is available on the	e product itself.
Skin corrosion/irritation Skin irritation	: May cause skin irritation a	nd/or dermatitis.
Serious eye damage/eye irrit	ation	
Eye irritation	: Vapours may cause irritat and the skin.	ion to the eyes, respiratory syste
Respiratory or skin sensitisa	ation	
Sensitisation	: No data is available on the	e product itself.
inistrative information: ort Information: SDS_EU/EN/GHS_SD		

## Givaudan

sion 1.0 R	evision Date 11 FEB 2022	Print Date 11 FEB
Germ cell mutagenicity	. No dete is eveilable on the pr	
Germ cell mutagenicity	: No data is available on the pr	
Carcinogenicity		
Carcinogenicity	: No data is available on the pr	oduct itself.
Reproductive toxicity	: No data is available on the pr	oduct itself.
Target Organ Systemic T	oxicant - Single exposure	
Target Organ Systemic	: No data is available on the pr	oduct itself.
Toxicant - Single exposure		
Target Organ Systemic T	oxicant - Repeated exposure	
Target Organ Systemic	: No data is available on the pr	oduct itself.
Toxicant - Repeated exposure		
Aspiration hazard		
Aspiration toxicity	: No data is available on the pr	oduct itself.
Phototoxicity		
Phototoxicity	: No data is available on the pr	oduct itself.
Further information	: no data available	
Information on other haz	arda	
Endocrine disrupting pro		
Product:	-	
Assessment	: The substance/mixture does r	
	considered to have endocrine to REACH Article 57(f) or Cor	
	(EU) 2017/2100 or Commissio	
	levels of 0.1% or higher.	
Further information		
Product:		
Remarks	: no data available	
ninistrative information:		

## Givaudan

#### **RD**//LEMON LAVENDER

Version 1.0

Revision Date 11 FEB 2022

Print Date 11 FEB 2022

Toxicity			
Components:			
(R)-p-mentha-1,8-diene:			
M-Factor (Acute aquatic toxicity)	:	1	
M-Factor (Chronic aquatic toxicity)	:	1	
hexyl salicylate:			
M-Factor (Acute aquatic toxicity)	:	1	
M-Factor (Chronic aquatic toxicity)	:	1	
alpha-hexylcinnamaldehyc	le:		
M-Factor (Acute aquatic toxicity)	:	1	
allyl (2-methylbutoxy)aceta	ite:		
M-Factor (Acute aquatic toxicity)	:	1	
allyl 3-cyclohexylpropiona	te:		
M-Factor (Acute aquatic toxicity)	:	1	
M-Factor (Chronic aquatic toxicity)	:	1	
diphenyl ether:			
M-Factor (Acute aquatic toxicity)	:	1	
2,6-di-tert-butyl-p-cresol:			
M-Factor (Acute aquatic toxicity)	:	1	

SAFETY DATA SHEET according to Regulation (EC) No	. 1907/2006		Givaudan		
RD//LEMON LAVENDE	D				
		1 FEB 2022	Print Date 11 FEB 2022		
M-Factor (Chronic aquatic toxicity)	: 1				
<b>12.2 Persistence and degradabi</b> no data available	lity				
<b>12.3 Bioaccumulative potential</b> no data available					
<b>12.4 Mobility in soil</b> no data available					
12.5 Results of PBT and vPvB a	ssessment				
Product:					
Assessment	to be e very p	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.			
12.6 Endocrine disrupting prop	erties				
Product:					
Assessment	consid to REA (EU) 2	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.			
12.7 Other adverse effects					
Product:					
Additional ecological information	unprof	essional handling	d cannot be excluded in the event of or disposal. long lasting effects.		
SECTION 13. Disposal consi	derations				
13.1 Waste treatment methods					
Product	course Do not chemie	es or the soil. contaminate pond cal or used contair	be allowed to enter drains, water ds, waterways or ditches with ner. e management company.		
Contaminated packaging	: Empty	remaining conten	ts.		
Administrative information: Report Information: SDS_EU/EN/GHS_S Sales & Distribution Information: GZ03/F Shipping Order Information: 23 360 650/	R/CN13/01	DN/31			

### Givaudan

		Chacaan
RD//LEMON LAVENDER Version 1.0 Revision	Date 11 FEB 2022	Print Date 11 FEB 2022
	Dispose of as unused product. Do not re-use empty containers.	
Dispose of in accordance with loca	I regulations.	
SECTION 14. Transport information	on	
14.1 UN number		
N/A		
14.2 UN proper shipping name		
Not regulated as a dangerous good	b	
14.3 Transport hazard class(es)		
N/A		
14.4 Packing group		
N/A		
14.5 Environmental hazards		
N/A		
14.6 Special precautions for user		
IMDG IMDG Code Segregation : Group	None	
<b>14.7 Transport in bulk according to A</b> Not applicable for product as supp	-	de
SECTION 15. Regulatory informat	ion	
15.1 Safety, health and environmenta mixture	al regulations/legislation specific	for the substance or
REACH - Candidate List of Substa Concern for Authorisation (Article s	, ,	banned nor restricted
Legislation	ENVIRONMENTAL HAZARDS E2 Quantity 1: 200 t Quantity 2: 500 t	
Administrative information: Report Information: SDS_EU/EN/GHS_SDS_EU Sales & Distribution Information: GZ03/FR/CN1 Shipping Order Information: 23 360 650/17 312	3/01	

## Givaudan

Version 1.0		Revision Date 11 FE	в 2022	ŀ	Print Date 11 FEB 202	
	Water hazard class: WGK 3 highly hazardous to water Classification according to AwSV, Annex 1 (5.2)					
5.2 Chemi	cal safety asse	ssment				
A Chen	nical Safety Ass	essment is not required	d for this su	bstance.		
SECTION	16. Other info	rmation				
Full tex	kt of H-Stateme	ents referred to under	sections 2	and 3.		
H315 H317 H319 H411		Causes skin irritation May cause an allergi Causes serious eye i Toxic to aquatic life v	c skin react rritation. vith long las			
Full lis	Country	v response numbers v	vorldwide.	Country	Phone nr	
	All Europe	+44 1235 239670		All East/South	+65 3158 1074	
	France	+33 1 72 11 00 03	APAC	East Asia Sri Lanka	+65 3158 1195	
	Germany	+49 89 220 61012		Taiwan	+886 2 8793 3212	
	Spain	+34 91 114 2520		Japan	+81 3 4578 9341	
	Italy	+39 02 3604 2884		Indonesia	007 803 011 0293	
	Netherlands	+31 10 713 8195		Malaysia	+60 3 6207 4347	
	Turkey	+90 212 375 5231		Thailand	001 800 120 666 75	
Europe	Norway	+47 2103 4452		India	+65 3158 1198 000 800 100 7479	
	Greece	+30 21 1198 3182		Pakistan	+65 3158 1329	
	Portugal	+351 30880 4750		Bangladesh	+65 3158 1200	
	Denmark	+45 8988 2286		Philippines	+63 2 8231 2149	
	Sweden	+46 8 566 42573		Vietnam	+84 28 4458 2388	
	0			Kanaa	+65 3158 1285	
	Poland	+48 22 307 3690		Korea	+00 3106 1200	
		+48 22 307 3690 +420 228 882 830		South Korea	+82 2 3479 8401	
	Poland Czech replublic Finland					
	Poland Czech replublic Finland All Middle East/Africa	+420 228 882 830		South Korea	+82 2 3479 8401	
Middle East/Africa	Poland Czech replublic Finland All Middle	+420 228 882 830 +358 9 7479 0199	-	South Korea Australia	+82 2 3479 8401 +61 2 8014 4558	

# Givaudan

RD//LEMON LAVENDER         Version 1.0       Revision Date 11 FEB 2022				Print Date 11 FEB 2022	
NOAM	USA and Canada	+1 866 928 0789		Brazil	+55 11 3197 5891
	USA and Canada	+1 215 207 0061		Chile	+56 2 2582 9336
	USA and Canada	+1 202 464 2554		Colombia	+57 1 508 7337
Global	Global	+44 1865 407333		Argentina	+54 11 5984 3690

## Givaudan

#### **RD//LEMON LAVENDER**

Version 1.0

Revision Date 11 FEB 2022

Print Date 11 FEB 2022

#### Key or legend to abbreviations and acronyms used in the safety data sheet

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM -American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL -Domestic Substances List (Canada): ECHA - European Chemicals Agency; EC-Number -European Community number; ECx - Concentration associated with x% response; ELx -Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG -International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL -Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH -Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Givaudan

#### **RD//LEMON LAVENDER**

Version 1.0

Revision Date 11 FEB 2022

Print Date 11 FEB 2022

Information displayed in section 3 (Composition/information on ingredients) is additional information to understand the hazards of the product and ensure safe handling, storage and transportation. This information, including CAS numbers, is not meant to be used for registration, notification or any other purposes. Any additional information and documentation needed may be provided by Givaudan.