

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date of issue: 12/4/2018 Revision date: 1/15/2020 Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : Galaxy of Stars  
UFI : T7PV-D2AQ-5009-TUH4  
Product code :  
Type of product : Perfumes, fragrances  
Product group : Finished Good

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : For professional use only  
Industrial  
Use of the substance/mixture : Perfumes, fragrances  
Function or use category : Odour agents

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Kandara Oils Ltd  
Unit 11, Agecroft Enterprise Park  
Shearer Way  
Salford, M27 8WA  
[kandaraoils@gmail.com](mailto:kandaraoils@gmail.com) - [www.kandaraoils.co.uk](http://www.kandaraoils.co.uk)

#### 1.4. Emergency telephone number

Emergency number : +44 77865 56114

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319  
Skin sensitisation, Category 1 H317  
Hazardous to the aquatic environment — Acute Hazard, Category 1 H400  
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects. May cause an allergic skin reaction.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) : Warning  
Hazardous ingredients : Citronellol Pure; Geraniol

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Hazard statements (CLP)	: H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P264 - Wash ... thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P302+P352 - IF ON SKIN: Wash with plenty of water/... P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hexamethylindanopyran	(CAS-No.) 1222-05-5 (EC-No.) 214-946-9 (EC Index-No.) 603-212-00-7 (REACH-no) 01-2119488227-29	14.465 – 28.93	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Benzyl benzoate	(CAS-No.) 120-51-4 (EC-No.) 204-402-9 (EC Index-No.) 607-085-00-9 (REACH-no) 01-2119976371-33	2.63 – 5.26	Acute Tox. 4 (Oral), H302 Aquatic Chronic 2, H411
methyl anthranilate	(CAS-No.) 134-20-3 (EC-No.) 205-132-4	0.925 – 1.85	Eye Irrit. 2, H319
Citronellol Pure	(CAS-No.) 106-22-9 (EC-No.) 203-375-0 (REACH-no) 01-2119453995-23	0.705 – 1.41	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Geraniol	(CAS-No.) 106-24-1 (EC-No.) 203-377-1 (REACH-no) 01-2119552430-49	0.625 – 1.25	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Linalool	(CAS-No.) 78-70-6 (EC-No.) 201-134-4 (EC Index-No.) 603-235-00-2 (REACH-no) 01-2119474016-42	0.45 – 0.9	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
d-Limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7 (REACH-no) 01-2119493353-35	0.15 – 0.3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sage Dalmatian oil	(CAS-No.) 8022-56-8 (EC-No.) 282-025-9;617-012-2	0.15 – 0.3	Asp. Tox. 1, H304 Aquatic Chronic 3, H412 Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 2, H371

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Eugenol	(CAS-No.) 97-53-0 (EC-No.) 202-589-1	0.125 – 0.25	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317
Spearmint oil	(CAS-No.) 8008-79-5 (EC-No.) 616-927-4	0.1 – 0.2	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Linalyl acetate	(CAS-No.) 115-95-7 (EC-No.) 204-116-4 (REACH-no) 01-2119454789-19	0.1 – 0.2	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Eucalyptol	(CAS-No.) 470-82-6 (EC-No.) 207-431-5 (REACH-no) 01-2119967772-24	0.075 – 0.15	Flam. Liq. 3, H226 Skin Sens. 1, H317
alpha-Methylcinnamic aldehyde	(CAS-No.) 101-39-3 (EC-No.) 202-938-8 (REACH-no) 01-2119538797-21	0.05 – 0.1	Skin Sens. 1, H317
Aldehyde C-16	(CAS-No.) 77-83-8 (EC-No.) 201-061-8 (REACH-no) 01-2119967770-28	0.05 – 0.1	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
beta-Caryophyllene	(CAS-No.) 87-44-5 (EC-No.) 201-746-1	0.05 – 0.1	Asp. Tox. 1, H304 Aquatic Chronic 4, H413 Skin Sens. 1B, H317
Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	(CAS-No.) 34590-94-8 (EC-No.) 252-104-2	0 – 0.03	Not classified

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
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	: Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### 6.1.2. For emergency responders

Protective 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 release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.  
Storage temperature : 25 °C  
Storage area : Store in a well-ventilated place. Store away from heat.  
Special rules on packaging : Store in a closed container.  
Packaging materials : Do not store in corrodable metal.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### d-Limonene (5989-27-5)

#### Finland - Occupational Exposure Limits

HTP-arvo (8h) (mg/m <sup>3</sup> )	140 mg/m <sup>3</sup>
HTP-arvo (8h) (ppm)	25 ppm

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>d-Limonene (5989-27-5)</b>	
HTP-arvo (15 min)	280 mg/m <sup>3</sup>
HTP-arvo (15 min) (ppm)	50 ppm
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Occupational exposure limit value (mg/m <sup>3</sup> )	28 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Occupational exposure limit value (ppm)	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Chemical category	Skin notation, Skin sensitization
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	28 mg/m <sup>3</sup>
OEL TWA (ppm)	5 ppm
OEL STEL (mg/m <sup>3</sup> )	112 mg/m <sup>3</sup>
OEL STEL (ppm)	20 ppm
OEL chemical category (SI)	Potential for cutaneous absorption
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (mg/m <sup>3</sup> )	168 mg/m <sup>3</sup>
VLA-ED (ppm)	30 ppm
OEL chemical category (ES)	Sensitizer, skin - potential for cutaneous absorption
<b>Norway - Occupational Exposure Limits</b>	
Grønseverdier (AN) (mg/m <sup>3</sup> )	140 mg/m <sup>3</sup>
Grønseverdier (AN) (ppm)	25 ppm
Grønseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	175 mg/m <sup>3</sup> (value calculated)
Grønseverdier (Korttidsverdi) (ppm)	37.5 ppm (value calculated)
OEL chemical category (NO)	Sensitizing substance
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (mg/m <sup>3</sup> )	40 mg/m <sup>3</sup>
MAK (ppm)	7 ppm
KZGW (mg/m <sup>3</sup> )	80 mg/m <sup>3</sup>
KZGW (ppm)	14 ppm
OEL chemical category (CH)	Sensitizer

<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
<b>EU - Occupational Exposure Limits</b>	
IOELV TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
IOELV TWA (ppm)	50 ppm
Notes	Possibility of significant uptake through the skin
<b>Austria - Occupational Exposure Limits</b>	
MAK (mg/m <sup>3</sup> )	307 mg/m <sup>3</sup> (mixed isomers)
MAK (ppm)	50 ppm (mixed isomers)
MAK Short time value (mg/m <sup>3</sup> )	614 mg/m <sup>3</sup> (isomers mixtures)
MAK Short time value (ppm)	100 ppm (isomers mixtures)

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
OEL chemical category (AT)	Skin notation
<b>Belgium - Occupational Exposure Limits</b>	
Limit value (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
Limit value (ppm)	50 ppm
OEL chemical category (BE)	Skin, Skin notation
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
<b>Croatia - Occupational Exposure Limits</b>	
GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
GVI (granična vrijednost izloženosti) (ppm)	50 ppm
OEL chemical category (HR)	Skin notation
<b>Cyprus - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL chemical category (CY)	Skin-potential for cutaneous absorption
<b>Czech Republic - Occupational Exposure Limits</b>	
Expoziční limity (PEL) (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
OEL chemical category (CZ)	Potential for cutaneous absorption
<b>Denmark - Occupational Exposure Limits</b>	
Grænseværdie (langvarig) (mg/m <sup>3</sup> )	309 mg/m <sup>3</sup>
Grænseværdie (langvarig) (ppm)	50 ppm
OEL chemical category (DK)	Potential for cutaneous absorption
<b>Estonia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL chemical category (ET)	Skin notation
<b>Finland - Occupational Exposure Limits</b>	
HTP-arvo (8h) (mg/m <sup>3</sup> )	310 mg/m <sup>3</sup>
HTP-arvo (8h) (ppm)	50 ppm
OEL chemical category (FI)	Potential for cutaneous absorption
<b>France - Occupational Exposure Limits</b>	
VME (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup> (restrictive limit)
VME (ppm)	50 ppm (restrictive limit)
OEL chemical category (FR)	Risk of cutaneous absorption
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Occupational exposure limit value (mg/m <sup>3</sup> )	310 mg/m <sup>3</sup> (isomer mixture)
Occupational exposure limit value (ppm)	50 ppm (isomer mixture)
<b>Gibraltar - Occupational Exposure Limits</b>	
Eight hours mg/m <sup>3</sup>	308 mg/m <sup>3</sup>
Eight hours ppm	50 ppm

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
OEL chemical category (GI)	Skin notation
<b>Greece - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
OEL TWA (ppm)	100 ppm
OEL STEL (mg/m <sup>3</sup> )	900 mg/m <sup>3</sup>
OEL STEL (ppm)	150 ppm
OEL chemical category (GR)	skin - potential for cutaneous absorption
<b>Hungary - Occupational Exposure Limits</b>	
AK-érték	308 mg/m <sup>3</sup>
<b>Ireland - Occupational Exposure Limits</b>	
OEL (8 hours ref) (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL (8 hours ref) (ppm)	50 ppm
OEL (15 min ref) (mg/m <sup>3</sup> )	924 mg/m <sup>3</sup> (calculated)
OEL (15 min ref) (ppm)	150 ppm (calculated)
OEL chemical category (IE)	Potential for cutaneous absorption
<b>Italy - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL chemical category (IT)	skin - potential for cutaneous absorption
<b>Latvia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL chemical category (LV)	skin - potential for cutaneous exposure
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
IPRV (ppm)	50 ppm
TPRV (mg/m <sup>3</sup> )	450 mg/m <sup>3</sup>
TPRV (ppm)	75 ppm
OEL chemical category (LT)	Skin notation
<b>Luxembourg - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL chemical category (LU)	Possibility of significant uptake through the skin
<b>Malta - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL chemical category (MT)	Possibility of significant uptake through the skin
<b>Netherlands - Occupational Exposure Limits</b>	
Grenswaarde TGG 8H (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<b>Dipropylene glycol monomethyl ether (34590-94-8)</b>	
<b>Poland - Occupational Exposure Limits</b>	
NDS (mg/m <sup>3</sup> )	240 mg/m <sup>3</sup> (mixture of isomers: 1-(2-Methoxy-1-methylethoxy)propan-2-ol, 1-(2-Methoxy-2-methylethoxy)propan-2-ol and 2-(2-Methoxy-1-methylethoxy)propan-1-ol)
NDSCh (mg/m <sup>3</sup> )	480 mg/m <sup>3</sup> (mixture of isomers: 1-(2-Methoxy-1-methylethoxy)propan-2-ol, 1-(2-Methoxy-2-methylethoxy)propan-2-ol, 2-(2-Methoxy-1-methylethoxy)propan-1-ol)
<b>Portugal - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup> (indicative limit value)
OEL TWA (ppm)	50 ppm (indicative limit value)
OEL STEL (ppm)	150 ppm
OEL chemical category (PT)	skin - potential for cutaneous exposure indicative limit value
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL chemical category (RO)	Skin notation
<b>Slovakia - Occupational Exposure Limits</b>	
NPHV (priemerná) (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
NPHV (priemerná) (ppm)	50 ppm
OEL chemical category (SK)	Potential for cutaneous absorption
<b>Slovenia - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL STEL (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL STEL (ppm)	50 ppm
OEL chemical category (SI)	Potential for cutaneous absorption
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup> (indicative limit value)
VLA-ED (ppm)	50 ppm (indicative limit value)
OEL chemical category (ES)	skin - potential for cutaneous absorption
<b>Sweden - Occupational Exposure Limits</b>	
nivågränsvärde (NVG) (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
nivågränsvärde (NVG) (ppm)	50 ppm
kortidsvärde (KTV) (mg/m <sup>3</sup> )	450 mg/m <sup>3</sup>
kortidsvärde (KTV) (ppm)	75 ppm
OEL chemical category (SE)	Skin notation
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
WEL TWA (ppm)	50 ppm
WEL STEL (mg/m <sup>3</sup> )	924 mg/m <sup>3</sup> (calculated)
WEL STEL (ppm)	150 ppm (calculated)
WEL chemical category	Potential for cutaneous absorption



# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Dipropylene glycol monomethyl ether (34590-94-8)

#### Norway - Occupational Exposure Limits

Grønseverdier (AN) (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
Grønseverdier (AN) (ppm)	50 ppm
Grønseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	375 mg/m <sup>3</sup> (value calculated)
Grønseverdier (Korttidsverdi) (ppm)	75 ppm (value calculated)
OEL chemical category (NO)	Skin notation

#### Switzerland - Occupational Exposure Limits

MAK (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup> (aerosol, vapour)
MAK (ppm)	50 ppm (aerosol, vapour)
KZGW (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup> (aerosol, vapour)
KZGW (ppm)	50 ppm (aerosol, vapour)

#### Turkey - Occupational Exposure Limits

OEL TWA (mg/m <sup>3</sup> )	308 mg/m <sup>3</sup>
OEL TWA (ppm)	50 ppm
OEL chemical category (TR)	Skin notation

#### USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (ppm)	100 ppm
ACGIH STEL (ppm)	150 ppm
ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route

## 8.2. Exposure controls

### Appropriate engineering controls:

Ensure good ventilation of the work station.

### Hand protection:

Protective gloves

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Personal protective equipment symbol(s):



### Environmental exposure controls:

Avoid release to the environment.

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: light yellow. amber.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 93.3 °C (closed cup) ASTM D7094
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ≈ 0.98
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous 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

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Citronellol Pure (106-22-9)

LD50 oral	3450 mg/kg
LD50 oral	3450 mg/kg bodyweight
LD50 dermal	2650 mg/kg
LD50 dermal	2650 mg/kg bodyweight

### Spearmint oil (8008-79-5)

LD50 oral	5 g/kg
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### Geraniol (106-24-1)

LD50 oral	3600 mg/kg
LD50 oral	3600 mg/kg bodyweight
LD50 dermal	> 5 g/kg

### alpha-Methylcinnamic aldehyde (101-39-3)

LD50 oral	2050 mg/kg
LD50 oral	2050 mg/kg bodyweight
LD50 dermal	> 5 g/kg

### methyl anthranilate (134-20-3)

LD50 oral	2910 mg/kg
LD50 oral	2780 mg/kg bodyweight
LD50 dermal	5000 mg/kg

### Eugenol (97-53-0)

LD50 oral	1930 mg/kg
LD50 oral	2500 mg/kg bodyweight

### Hexamethylindanopyran (1222-05-5)

LD50 oral	> 3250 mg/kg
LD50 dermal	> 3250 mg/kg

### Benzyl benzoate (120-51-4)

LD50 oral	500 mg/kg
LD50 oral	1500 mg/kg bodyweight
LD50 dermal	4000 mg/kg
LD50 dermal	4000 mg/kg bodyweight

### Eucalyptol (470-82-6)

LD50 oral	2480 mg/kg
LD50 oral	2480 mg/kg bodyweight

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Aldehyde C-16 (77-83-8)

LD50 oral	5470 mg/kg
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### Sage Dalmatian oil (8022-56-8)

LD50 oral	2600 mg/kg
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### d-Limonene (5989-27-5)

LD50 oral	4400 mg/kg
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LD50 dermal	> 5 g/kg
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### Linalyl acetate (115-95-7)

LD50 oral	14550 mg/kg
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LD50 dermal	> 5000 mg/kg
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### Linalool (78-70-6)

LD50 oral	2790 mg/kg
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LD50 oral	2790 mg/kg bodyweight
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LD50 dermal	2000 mg/kg
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### Dipropylene glycol monomethyl ether (34590-94-8)

LD50 oral	5.35 g/kg
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LD50 dermal	9500 mg/kg
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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

### Eugenol (97-53-0)

IARC group	3 - Not classifiable
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### d-Limonene (5989-27-5)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
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STOT-single exposure	: Not classified
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STOT-repeated exposure	: Not classified
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Aspiration hazard	: Not classified
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## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

### Geraniol (106-24-1)

LC50 1	22 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
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### Eugenol (97-53-0)

LC50 1	13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
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### Hexamethylindanopyran (1222-05-5)

LC50 1	0.452 mg/l Wolf, 1996d-27682
LC50 other 1	> 0.14 mg/l REACH DOSSIER Pimephales promelas
EC50 Daphnia 2	260 µg/l REACH Dossier
EC50 other 1	0.131 mg/l REACH Dossier

### Benzyl benzoate (120-51-4)

LC50 1	2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static])
NOEC (chronic)	0.168 mg/l

### Eucalyptol (470-82-6)

LC50 1	95.4 (95.4 – 109) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
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### Aldehyde C-16 (77-83-8)

LC50 fish 1	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
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### d-Limonene (5989-27-5)

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

### Linalyl acetate (115-95-7)

LC50 1	11 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [flow-through])
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### Linalool (78-70-6)

LC50 1	27.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	20 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 96h algae (1)	88.3 mg/l (Species: Desmodesmus subspicatus)

### Dipropylene glycol monomethyl ether (34590-94-8)

LC50 1	> 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	1919 mg/l (Exposure time: 48 h - Species: Daphnia magna)

## 12.2. Persistence and degradability

### Benzyl benzoate (120-51-4)

Persistence and degradability	May cause long-term adverse effects in the environment.
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# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 12.3. Bioaccumulative potential

#### Benzyl benzoate (120-51-4)

Partition coefficient n-octanol/water (Log Pow)	4
Bioaccumulative potential	Not established.

#### Linalool (78-70-6)

Partition coefficient n-octanol/water (Log Pow)	2.84 – 3.1 (at 25 °C)
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#### Dipropylene glycol monomethyl ether (34590-94-8)

Partition coefficient n-octanol/water (Log Pow)	-0.064 (at 20 °C)
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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR)	: UN 3082
UN-No. (IMDG)	: UN 3082
UN-No. (IATA)	: UN 3082
UN-No. (ADN)	: UN 3082
UN-No. (RID)	: Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.
Proper Shipping Name (ADN)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (RID)	: Not applicable
Transport document description (ADR)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III, (E)
Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylindanopyran), 9, III, MARINE POLLUTANT
Transport document description (IATA)	: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Hexamethylindanopyran), 9, III
Transport document description (ADN)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

# Galaxy of Stars

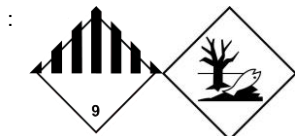
## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 14.3. Transport hazard class(es)

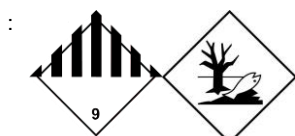
#### ADR

Transport hazard class(es) (ADR) : 9  
Danger labels (ADR) : 9



#### IMDG

Transport hazard class(es) (IMDG) : 9  
Danger labels (IMDG) : 9



#### IATA

Transport hazard class(es) (IATA) : 9  
Danger labels (IATA) : 9



#### ADN

Transport hazard class(es) (ADN) : 9  
Danger labels (ADN) : 9



#### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : III  
Packing group (IMDG) : III  
Packing group (IATA) : III  
Packing group (ADN) : III  
Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : M6  
Special provisions (ADR) : 274, 335, 601, 375  
Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P001, IBC03, LP01, R001  
Special packing provisions (ADR) : PP1  
Mixed packing provisions (ADR) : MP19

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Portable tank and bulk container instructions (ADR) : T4  
Portable tank and bulk container special provisions (ADR) : TP1, TP29  
Tank code (ADR) : LGBV  
Vehicle for tank carriage : AT  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V12  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13  
Hazard identification number (Kemler No.) : 90  
Orange plates :



Tunnel restriction code (ADR) : E  
EAC code : •3Z

### Transport by sea

Special provisions (IMDG) : 274, 335, 969  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001, LP01  
Special packing provisions (IMDG) : PP1  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP2, TP29  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-F  
Stowage category (IMDG) : A

### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y964  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 964  
PCA max net quantity (IATA) : 450L  
CAO packing instructions (IATA) : 964  
CAO max net quantity (IATA) : 450L  
Special provisions (IATA) : A97, A158, A197  
ERG code (IATA) : 9L

### Inland waterway transport

Classification code (ADN) : M6  
Special provisions (ADN) : 274, 335, 375, 601  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP  
Number of blue cones/lights (ADN) : 0

### Rail transport

Not applicable

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code	Applicable on
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# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

3(a)	Spearmint oil ; Eucalyptol ; d-Limonene ; Sage Dalmatian oil
3(b)	Galaxy of Stars; alpha-Methylcinnamic aldehyde ; Citronellol Pure ; Geraniol ; methyl anthranilate ; Spearmint oil ; Eugenol ; Eucalyptol ; d-Limonene ; Aldehyde C-16 ; Linalyl acetate ; Sage Dalmatian oil ; Benzyl benzoate ; beta-Caryophyllene ; Linalool
3(c)	Galaxy of Stars; Spearmint oil ; d-Limonene ; Aldehyde C-16 ; Sage Dalmatian oil ; Benzyl benzoate ; Hexamethylindanopyran ; beta-Caryophyllene
40.	Spearmint oil ; Eucalyptol ; d-Limonene ; Sage Dalmatian oil

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

### 15.1.2. National regulations

#### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Ontwikkeling

#### Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Classification according to Regulation (EC) No. 1272/2008 [CLP]:	
Eye Irrit. 2	H319
Skin Sens. 1	H317
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
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

# Galaxy of Stars

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H371	May cause damage to organs.
H400	Very 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.
H413	May cause long lasting harmful effects to aquatic life.

SDS EU (REACH Annex II)

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.