## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 9/28/2020 Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture

Trade name : RAGNAROK

#### 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

#### 1.2.2. Uses advised against

No additional information available

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

Comunica Concept 10 rue François Durafour 42160 Andrézieux Bouthéon - FRANCE T 04.77.40.09.71

contact@aromes-et-liquides.fr

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

#### **SECTION 2: Hazards identification**

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

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

Flammable liquids, Category 3 H226
Skin sensitisation, Category 1 H317

Full text of H statements: see section 16

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

Flammable liquid and vapour. May cause an allergic skin reaction.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :





GHS02

GHS07

Signal word (CLP) : Warning

Contains : (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one; 4-hydroxy-2,5-

dimethylfuran-2(3H)-one; Methyl cinnamate

Hazard statements (CLP) : H226 - Flammable liquid and vapour.

H317 - May cause an allergic skin reaction.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P261 - Avoid breathing vapours.

P280 - Wear protective gloves, eye protection, face protection.

P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

## 2.3. Other hazards

No additional information available

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## **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]
2-isopropyl-N,2,3-trimethylbutyramide	(CAS-No.) 51115-67-4	7 – 10	Acute Tox. 4 (Oral), H302
acetic acid 99%	(CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6	0.9 – 2	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318
ethyl butyrate	(CAS-No.) 105-54-4	0.9 – 2	Flam. Liq. 3, H226 Eye Irrit. 2, H319
ethyl acetate	(CAS-No.) 141-78-6 (EC-No.) 205-500-4 (EC Index-No.) 607-022-00-5	0.9 – 2	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Methyl cinnamate	(CAS-No.) 103-26-4 (EC-No.) 203-093-8	0.1 – 0.9	Skin Sens. 1B, H317
4-hydroxy-2,5-dimethylfuran-2(3H)-one	(CAS-No.) 3658-77-3	0.1 – 0.9	Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317
propionic acid 99% substance with a Community workplace exposure limit	(CAS-No.) 79-09-4 (EC-No.) 201-176-3 (EC Index-No.) 607-089-00-0	0.1 – 0.9	Flam. Liq. 3, H226 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
isopentyl acetate substance with a Community workplace exposure limit	(CAS-No.) 123-92-2 (EC-No.) 204-662-3 (EC Index-No.) 607-130-00-2 (REACH-no) 01-2119548408-32	< 0.1	Flam. Liq. 3, H226
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	(CAS-No.) 23726-93-4	< 0.1	Skin Irrit. 2, H315 Skin Sens. 1A, H317 Aquatic Chronic 2, H411
isoamylic alcohol substance with a Community workplace exposure limit	(CAS-No.) 123-51-3 (EC-No.) 204-633-5	< 0.1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
n-butyl acetate substance with a Community workplace exposure limit	(CAS-No.) 123-86-4 (EC-No.) 204-658-1 (EC Index-No.) 607-025-00-1	< 0.1	Flam. Liq. 3, H226 STOT SE 3, H336
isobutyl acetate substance with a Community workplace exposure limit	(CAS-No.) 110-19-0 (EC-No.) 203-745-1 (EC Index-No.) 607-026-00-7	< 0.1	Flam. Liq. 2, H225

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
acetic acid 99%	(CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6	( 10 ≤C < 25) Skin Irrit. 2, H315 ( 10 ≤C < 25) Eye Irrit. 2, H319 ( 25 ≤C < 90) Skin Corr. 1B, H314 ( 90 ≤C ≤ 100) Skin Corr. 1A, H314

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propionic acid 99%	,	( 10 ≤C < 25) Skin Irrit. 2, H315 ( 10 ≤C < 25) Eye Irrit. 2, H319
	,	( 10 ≤C ≤ 100) STOT SE 3, H335 ( 25 ≤C ≤ 100) Skin Corr. 1B, H314

Full text of H-statements: see section 16

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin

irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : 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.

#### 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.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

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

#### 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. No open flames, no sparks, and no smoking. 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

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers

or public waters.

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.

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## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and

eyes. Avoid breathing dust/fume/gas/mist/vapours/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.

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

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

#### 7.3. Specific end use(s)

No additional information available

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

#### 8.1. Control parameters

ethyl acetate (141-78-6)		
EU - Occupational Exposure Limits		
Local name	Ethyl acetate	
IOELV TWA (mg/m³)	734 mg/m³	
IOELV TWA (ppm)	200 ppm	
IOELV STEL (mg/m³)	1468 mg/m³	
IOELV STEL (ppm)	400 ppm	
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164	

acetic acid 99% (64-19-7)		
EU - Occupational Exposure Limits		
Local name	Acetic acid	
IOELV TWA (mg/m³)	25 mg/m <sup>3</sup>	
IOELV TWA (ppm)	10 ppm	
IOELV STEL (mg/m³)	50 mg/m <sup>3</sup>	
IOELV STEL (ppm)	20 ppm	
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164	

isobutyl acetate (110-19-0)		
EU - Occupational Exposure Limits		
Local name	Isobutyl acetate	
IOELV TWA (mg/m³)	241 mg/m³	
IOELV TWA (ppm)	50 ppm	
IOELV STEL (mg/m³)	723 mg/m³	
IOELV STEL (ppm)	150 ppm	
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831	

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isopentyl acetate (123-92-2)		
EU - Occupational Exposure Limits		
Local name	Isopentylacetate	
IOELV TWA (mg/m³)	270 mg/m³	
IOELV TWA (ppm)	50 ppm	
IOELV STEL (mg/m³)	540 mg/m³	
IOELV STEL (ppm)	100 ppm	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	

n-butyl acetate (123-86-4)		
EU - Occupational Exposure Limits		
Local name	n-Butyl acetate	
IOELV TWA (mg/m³)	241 mg/m³	
IOELV TWA (ppm)	50 ppm	
IOELV STEL (mg/m³)	723 mg/m³	
IOELV STEL (ppm)	150 ppm	
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831	

isoamylic alcohol (123-51-3)		
EU - Occupational Exposure Limits		
Local name	Isoamyl alcohol	
IOELV TWA (mg/m³)	18 mg/m³	
IOELV TWA (ppm)	5 ppm	
IOELV STEL (mg/m³)	37 mg/m <sup>3</sup>	
IOELV STEL (ppm)	10 ppm	
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831	

propionic acid 99% (79-09-4)		
EU - Occupational Exposure Limits		
Local name	Propionic acid	
IOELV TWA (mg/m³)	31 mg/m³	
IOELV TWA (ppm)	10 ppm	
IOELV STEL (mg/m³)	62 mg/m³	
IOELV STEL (ppm)	20 ppm	
Regulatory reference COMMISSION DIRECTIVE 2000/39/EC		
Regulatory reference COMMISSION DIRECTIVE 2000/39/EC		

## 8.2. Exposure controls

## Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:	
Protective gloves	

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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.

## **SECTION 9: Physical and chemical properties**

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

Physical state : Liquid Colour : red.

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 : 42 °C

Auto-ignition temperature : No data available Decomposition temperature : No data available Flammability (solid, gas) : Not applicable : No data available Vapour pressure Relative vapour density at 20 °C : No data available Relative density : 1.03 (1.01 - 1.05) Solubility : soluble in water. 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

Flammable liquid and vapour.

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#### 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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 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

ethyl acetate (141-78-6)	
LD50 oral	4934 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 20000 mg/kg bodyweight Animal: rabbit, Animal sex: male

acetic acid 99% (64-19-7)	
LD50 oral rat	3310 mg/kg bodyweight Animal: rat
LD50 oral	4960 mg/kg bodyweight Animal: mouse

isobutyl acetate (110-19-0)	
LD50 oral rat	13413 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 17400 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one (23726-93-4)	
LD50 oral rat	> 2000 mg/kg

isoamylic alcohol (123-51-3)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	≈ 3216 mg/kg bodyweight Animal: rabbit, Animal sex: male, 95% CL: 2373 - 4350

Methyl cinnamate (103-26-4)	
LD50 oral rat	2610 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2000 - 3410
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

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propionic acid 99% (79-09-4)	
LD50 oral rat	3455.1 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2978,9 - 4007,5
LD50 dermal rat	3235 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	> 20 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

ethyl acetate (141-78-6)	
LOAEL (oral, rat, 90 days)	3600 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)
NOAEL (oral, rat, 90 days)	900 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)

acetic acid 99% (64-19-7)	
NOAEL (oral, rat, 90 days)	290 mg/kg bodyweight Animal: rat, Animal sex: male

(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one (23726-93-4)	
LOAEL (oral, rat, 90 days)	30 mg/kg bodyweight/day

isoamylic alcohol (123-51-3)	
	1250 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard : Not classified

## SECTION 12: Ecological information

## 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term

adverse effects in the environment.

Hazardous to the aquatic environment, short-

term (acute)

: Not classified

Hazardous to the aquatic environment, long-

term (chronic)

: Not classified

Not rapidly degradable

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ethyl acetate (141-78-6)	
LC50 fish 1 230 mg/l Test organisms (species): Pimephales promelas	
NOEC (chronic)	2.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

acetic acid 99% (64-19-7)		
LC50 fish 1	> 1000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
LC50 fish 2	> 300.82 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 Daphnia 1	> 1000 mg/l Test organisms (species): Daphnia magna	
EC50 Daphnia 2	> 300.82 mg/l Test organisms (species): Daphnia magna	
EC50 72h algae (1)	> 1000 mg/l Test organisms (species): Skeletonema costatum	
EC50 72h algae (2)	> 300.82 mg/l Test organisms (species): Skeletonema costatum	

isobutyl acetate (110-19-0)		
LC50 fish 1	17 mg/l Test organisms (species): Oryzias latipes	
EC50 Daphnia 1	25 mg/l Test organisms (species): Daphnia magna	
EC50 72h algae (1)	370 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
EC50 72h algae (2)	250 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
NOEC (chronic)	23 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	

isopentyl acetate (123-92-2)	
LC50 fish 1	22 – 46 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 Daphnia 1	42 mg/l Test organisms (species): other:Daphnia magna STRAUS

(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one (23726-93-4)	
LC50 fish 1 1.09 mg/l	
EC50 Daphnia 1	9 mg/l
EC50 72h algae (1)	8.3 mg/l

n-butyl acetate (123-86-4)	
LC50 fish 1	18 mg/l Test organisms (species): Pimephales promelas
EC50 Daphnia 1	44 mg/l Test organisms (species): Daphnia sp.
EC50 72h algae (1)	674.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	23 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

isoamylic alcohol (123-51-3)	
LC50 fish 1	700 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 Daphnia 1	255 mg/l Test organisms (species): Daphnia magna

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EC50 72h algae (1)	> 500 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h algae (2)	493 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h algae (1)	274 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h algae (2)	181 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Methyl cinnamate (103-26-4)	
LC50 fish 1	2.76 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 Daphnia 1	24 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	7.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

propionic acid 99% (79-09-4)	
LC50 fish 1 > 10000 mg/l Test organisms (species): Leuciscus idus	
EC50 Daphnia 1	> 500 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	> 500 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

#### 12.2. Persistence and degradability

No additional information available

## 12.3. Bioaccumulative potential

No additional information available

#### 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.

Additional information : Flammable vapours may accumulate in the container.

## **SECTION 14: Transport information**

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

ADR	IMDG	IATA
14.1. UN number		
UN 1197	UN 1197	UN 1197
14.2. UN proper shipping name		
EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID	Extracts, flavouring, liquid

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Transport document desc	ription	
UN 1197 EXTRACTS, FLAVOURING, LIQUID, 3, III, (D/E)	UN 1197 EXTRACTS, FLAVOURING, LIQUID, 3, III	UN 1197 Extracts, flavouring, liquid, 3, III
14.3. Transport hazard	class(es)	
3	3	3
3	3	3
14.4. Packing group		
III	III	III
14.5. Environmental ha	zards	
Dangerous for the environment: No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary informa	ation available	

### 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) : F1
Special provisions (ADR) : 601
Limited quantities (ADR) : 51
Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions : T2

(ADR)

Portable tank and bulk container special

provisions (ADR)

Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30

Orange plates :

30 1197

: TP1

Tunnel restriction code (ADR) : D/E EAC code : 3YE

Transport by sea

Special provisions (IMDG): 223, 955Limited quantities (IMDG): 5 LExcepted quantities (IMDG): E1

Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T2

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Tank special provisions (IMDG) : TP1
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-D
Stowage category (IMDG) : A

Properties and observations (IMDG) : Usually consist of alcoholic solutions. Miscibility with water depends upon the

composition.

Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y344 PCA limited quantity max net quantity (IATA) : 10L PCA packing instructions (IATA) : 355 PCA max net quantity (IATA) : 60L CAO packing instructions (IATA) : 366 CAO max net quantity (IATA) : 220L Special provisions (IATA) : A3 ERG code (IATA) : 3L

#### 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

Contains no REACH substances with Annex XVII restrictions

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

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B

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

Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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.