

# SAFETY DATA SHEET

Printed : 08/11/2019

Model/Rev : FDSC-1-CLP du 08/11/2019

## RAGNAROK

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1. Product identifier

RAGNAROK

**Commercial Name** : RAGNAROK

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

Product for food, for professional use only, not for retail sale. Not for personal use, in this form or concentration.

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

Comunica Concept  
10 rue François Durafour  
42160 Andrezieux Bouthéon  
Tél. : **04 77 40 09 71**

mail: [contact@aromes-et-liquides.fr](mailto:contact@aromes-et-liquides.fr)

#### 1.4. Emergency telephone number

ORFILA : 0033 1 45 42 59 59

### 2. HAZARD IDENTIFICATION

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

GHS Classification :

(RegulationCLP)

Eye Dam. 2 Serious eye damage / eye irritation 2  
Flam. Liq. 3 Flammable Liquids 3  
Skin. Irr. 2 Skin corrosion / irritation 2  
Skin. Sens. 1A Sensitisation, skin 1A

H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

EUH066 - Repeated exposure may cause skin dryness or cracking.

#### 2.2. Label elements

GHS Classification :

(RegulationCLP)

Certification

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Mention d'avertissement : Warning

Eye Dam. 2 Serious eye damage / eye irritation 2

Flam. Liq. 3 Flammable Liquids 3

Skin. Irri. 2 Skin corrosion / irritation 2

Skin. Sens. 1A Sensitisation, skin 1A

H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P264 - Wash hands thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

EUH066 - Repeated exposure may cause skin dryness or cracking.



## 2.3. Other hazards

Contains 4-Hydroxy-2,5-dimethyl-3(2H)-furanone, (E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one

## 3. COMPOSITION / INFORMATION ON INGREDIENT

Components list :

### 3.1. Substances

NO CONCERNED

### 3.2. Mixtures

Material	C.A.S	EINECS	Risk Symbol	%
Acide acétique	64-19-7	200-580-7	Acute Tox. 4, Flam. Liq. 3, Skin Corr. 1A - H226, H303, H312, H314	[ 0.9-2 ]
Ethyl acetate	141-78-6	205-500-4	Eye Dam. 2, , Flam. Liq. 2, STOT SE 3NE - H225, H319, H336	[ 0.9-2 ]
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	23726-93-4	245-844-2	Aquatic Chronic 2, Skin. Irri. 2, Skin. Sens. 1A - H315, H317, H411	[ 0-0.9 ]
4-Hydroxy-2,5-dimethyl-3(2H)-furanone	3658-77-3	222-908-8	Eye Dam. 2, Skin. Sens. 1A - H317, H319	[ 0-0.9 ]
Methyl cinnamate	103-26-4	203-093-8	Skin. Sens. 1B - H317	[ 0-0.9 ]
d-Limonene	5989-27-5	227-813-5	Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1, Flam. Liq. 3, Skin. Irri. 2, Skin. Sens. 1B - H226, H304, H315, H317, H400, H410	[ 0-0.9 ]

Certification

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## 4. FIRST AID MEASURES

### **4.1. Description of first aid measures**

**Contact with skin** : wash immediately and abundantly with water and soap. Rinse then with clear water.

**Contact with eyes** : Abundant rinsing with water (10 minutes open eyelids) then washing with an ocular lotion standard Dacryoserum. In case of disorder, consult an ophtalmologist.

**In the event of swallowed** : wash immediately with water - not make vomit, maintain the patient at rest. Resort to the medical care.

**Soiled clothing** : withdraw soiled clothing and re-use them only after decontamination.

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

No specific data available.

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

No specific data available.

## 5. FIRE FIGHTING

### **5.1. Extinguishing media**

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Specific measures :

- Avoid breathing vapors released
- Wear respirator
- Cool containers with water spray to reduce the pressure

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

**Flammability** : The product is flammable..  
**Prévention**: Do not smoke. Do not use flame near.

### **5.3. Advice for firefighters**

Procedure for chemical fires.  
Never use a direct stream of water.

## 6. ACCIDENTAL RELEASE MEASURES

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

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Use appropriate personal protective equipment during clean-up. A respiratory protection may be necessary.

## **6.2. Environmental precautions**

Do not allow to enter sewers/ surface or ground water. Notify authorities if the product penetrates into the sewers or public waters.

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

Containment : absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)

Cleaning : Pumping and water rinse after recovery of specific waste in labeled plastic drums. Elimination of waste and rinse water in accordance with the regulations.

## **6.4. Reference to other sections**

NO CONCERNED

## **7. HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Handling :

- Use in ventilated room
- Avoid contact with skin, eyes and clothing
- Do not eat, drink or smoke in the area of manufacturing
- Do not heat with open flame, or expose its vapors to a flame or other ignition source
- Reseal packaging after use
- Reproduce labeling if the product is to be transferred to another container
- Wash hands after use

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

Storage :

- Store product in the original container in a dry and ventilated room
- Store the product away from high temperatures and sources of ignition
- Keep containers closed when not in use
- Do not reuse empty containers
- Keep away from food and drink

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

Wash the hands and any other zone exposed with soap and water before eating, drinking, to smoke and before leaving work.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **8.1. Control parameters**

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NO CONCERNED

## 8.2. Exposure controls

**General protective and hygienic measures:** Avoid skin and eyes contact. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

### Personal Protection :

- Hand protection : Wear gloves.
- Eye protection : Protection not required.
- Respiratory protection : Protection not required if a good ventilation is maintained.
- Ingestion : Do not use, drink and smoke during use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Aromatic profile :	Typical
Appearance :	Liquid
Colour :	Red
Relative density (d <sub>20</sub> /20) :	[1.01 ; 1.05]
Solubility :	water
Flash point (closed cup) :	42°C

### 9.2. Other information

NO CONCERNED

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

**Dangerous reactions :** No dangerous reactions known under normal conditions of storage and use.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

No information available.

For flammable products, avoid temperatures above or at least 5 ° C below the flash point.

### 10.5. Incompatible materials

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No information available.

## 10.6. Hazardous decomposition products

**Thermal decomposition / conditions to be avoided:** Avoid contact with any flame or spark, flame, Overheat. Avoid Direct rays of the sun. No decomposition if used according to specifications.

**Dangerous decomposition products:** No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological

**Toxicological Information :** No data available.

**Toxicological Informations Acute :**

- **Orale**

Matière non classée

- **Inhalation**

Non Déterminée

- **Skin**

Matière non classée

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available.

## 13. DISPOSAL RECOMMENDATIONS

### 13.1. Waste treatment methods

**Product :** Recommendation : Does not have to be evacuated with the refuse. Not to let penetrate in the sewers.

**Uncleaned packaging :** Recommendation : Evacuation according to legal requirements

## 14. TRANSPORT INFORMATION

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ADR:



IMDG:



IATA:



## 14.1. UN number

ADR : 1197 ( Tunnel code(D/E) )

IMDG:1197

IATA :1197

## 14.2. UN proper shipping name

ADR : EXTRACTS, FLAVOURING, LIQUID

IMDG:EXTRACTS, FLAVOURING, LIQUID

IATA :EXTRACTS, FLAVOURING, LIQUID

## 14.3. Transport hazard class(es)

ADR : 3

IMDG:3

IATA :3

## 14.4. Packing group

ADR : III

IMDG:III

IATA :III

## 14.5. Environmental hazards

IMDG : NO CONCERNED

## 14.6. Special precautions for user

NO CONCERNED

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

NO CONCERNED

## 15. REGULATORY INFORMATION

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

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Class of water contamination (Germany) : WGK

## **15.2. Chemical safety assessment**

Contains R43 substances d-Limonene : Can cause allergic reaction.

## 16. OTHER INFORMATION

Full H sentences text in point 3 :

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H303 May be harmful if swallowed
- H304 May be fatal if swallowed and enters airways.
- 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.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- 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.

Material security data sheet according to Regulation EC 1907/2006.

These indications are founded on the current state of our knowledge, but do not constitute a guarantee as for the properties of the product and do not give place to a contractual legal report.

Modified points : 1.3