

SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	1 page 13

Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Substance / product name: CACTUS-SEÑOR

Product code: CMF_CS

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

Relevant identified uses: Concentrated aromatic raw material. Not for personal use in this form or concentration. For manufacturing use only.

Uses advised against: Not recommend use out of scope.

1.3. Details of the supplier of the safety data sheet

Distributor:

FLAVOR STREET LIMITED
13 Baggot Street Upper, 2nd Floor,
Dublin 4, D04 W7K5, IRELAND
Phone number: +442032894555
info@flavorstreet.ie

E-mail of the responsible person on the safety data sheet: info@flavorstreet.ie

1.4. Emergency telephone number:

1. Germany +49 30-18412-3460, Website: <http://www.bfr.bund.de/en/home.html>
2. United Kingdom 0870 600 6266; England and Wales: 0845 46 47 or NHS 111 - dial 111; Scotland: 08454 24 24 NHS 24 - dial 111; Republic of Ireland: 01 809 2166, Website: <http://www.npis.org/>
3. France +33 1 40 44 30 00, Website: <https://www.declaration-synapse.fr/synapse>
4. Italy +39 0649906140 and +39 0649902064, Website: <http://www.preparatipericolosi.iss.it>

All list of appointed poison centres (bodies) can be found at webpage: <https://poisoncentres.echa.europa.eu/>

Section 2. HAZARD IDENTIFICATION

This product is classified as hazardous therefore classification according to Regulation (EC) No 1272/2008 and its amendments are applicable. Safety Data Sheets, in accordance with Annex II and Article 32 of Regulation EC 1907/2006 (last consolidated Version, including Amendment), have been provided for the product.

2.1. Classification of the substance or mixture according to Regulation 1272/2008 (CLP):

Hazard class	Hazard category	Hazard statement
Flammable liquid	Category 3	H226
Skin sensitisation	Category 1	H317
Aquatic Chronic	Category 3	H412

2.2. Label elements according to Regulation (EC) No. 1272/2008 (CLP):

Hazard pictogram (s):

GHS02



GHS07



Signal word:

Warning

Hazard statement (s):

H226
H317
H412

Flammable liquid and vapour.
May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects



CALUMETTE

SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	2 page 13

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/national regulations.

Name of the substance should be provided in the label:

EC 229-778-1 Trans-2-hexen-2-al
EC227-813-5 (R)-p-menta-1,8-diene

2.3. Other hazards:

PBT and vPvB – does not apply; SVHC – does not apply; Authorized substances (REACH Annex XIV) – does not apply; Restricted substances (REACH Annex XVII) – does not apply.
Contains volatile flavouring chemicals; breathing these chemicals may lead to lung damage.

2.4. Additional information:

Classification procedure of the mixture was did based on chemical – physical properties and using data available for the neat substances with the application of relevant concentration limits, in accordance with Regulation (EC) No 1272/2008.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances : Not applicable

3.2. Mixtures: Multicomponent mixture of aromatic raw materials.

Hazardous ingredients according to regulation (EC) No 1272/2008 and/or ingredients with occupational exposure limit values.

Substance name / REACH registration No..	CAS / EC (Index) No.	Classification according to Regulation EB Nr.1272/2008	%
Propylene glycol / -	57-55-6 / 200-338-0	Does not classified	≥ 50 - < 100
Ethanol / -	64-17-5 / 200-578-6 (603-002-00-5)	Eye Irrit. 2, H319 (Eye Irrit. 2: C ≥ 50 %) Flam. Liq. 2, H225	≥10 - < 20
Etilacetate / -	141-78-6 / 205-500-4	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	≥ 0 - < 2
Trans-2-hexen-2-al	6728-26-3 / 229-778-1	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	≥ 0 - < 2
D-Limonene ((R)-p-menta-1,8-diene)	5989-27-5 / 227-813-5 (601-029-00-7)	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 (M Acute = 1) Aquatic Chronic 1, H410 (M Chronic = 1)	≥ 0 - < 2

Full text of hazard (H) statements related to the classification is listed in the Section 16.

SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	3 page 13

No REACH registration numbers are provided because the annual tonnages do not require a REACH registration.

Section 4. FIRST AID MEASURES

4.1. Description of first aid measures

General information: Take off contaminated clothing. Wash/clean before using next time. Staff of first aid should pay attention on their own safety. Use personal protective equipment providing first aid to victims. Avoid direct, prolonged contact with the substance when providing first aid. Symptoms of mixture exposure may not immediately. To apply to the doctor have with you safety data sheet or label of the products. Call a POISON CENTER or get medical attention if you feel unwell. NEVER induce swallowing by an unconscious person.

Skin contact: Immediately flush skin with plenty of water using the appropriate detergent (soap, body wash, etc.) whilst removing contaminated clothing. In the event of an allergic reaction, seek medical attention.

Eye contact: Do not scrub eyes; Rinse cautiously with water for several (15) minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove things how can block breathing (scarf, kerchief, etc.). If the symptoms occur consult with the doctor. Place unconscious person on the side in the recovery position, ensure breathing and immediately get medical attention.

Ingestion: Rinse mouth immediately with water (only if the person is conscious) and consult a doctor. Never give anything by mouth to an unconscious person. Not induce vomiting. If a person vomits when lying on his back, place him in the recovery position. If vomiting occurs keep head low. Get medical attention from a specialist.

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

Ingestion: May cause stomach distress, nausea or vomiting. If ingested, immediately call a poison control centre or doctor.

Skin contact: May cause allergic skin reaction. Symptoms may include redness, drying, dermatitis, itching, defatting and cracking of the skin.

Eye contact: Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Inhalation: May cause mucous membranes and upper respiratory track irritation, respiratory difficulties, cough, increased drowsiness.

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

Possible long-term/continuous effect, care is recommended. As symptoms can occur at latest poisoning stage supervision should be taken at least for 24 hours.

Section 5. FIREFIGHTTING MEASURE

General information: Installation of convenient servicing of the equipment, ventilation, communication devices, fire alarm system and control systems on the premises is required. In case of fire call the special services on emergency telephone by appropriate number, inform other employees, isolate the site of accident, encircle it with warning tapes. Only trained personnel can be involved on the fire liquidation. Wear personal protective equipment.

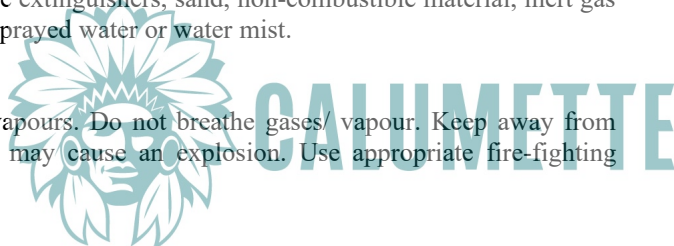
5.1. Extinguishing media

Suitable extinguishing media for use: powder or foam fire extinguishers, sand, non-combustible material, inert gas (nitrogen, carbon dioxide) air-mechanical foam, fumes, sprayed water or water mist.

Unsuitable extinguishing media: strong water jet.

5.2. Special hazards arising from the substance or mixture

in case of fire may produce harmful/ irritation gases/ vapours. Do not breathe gases/ vapour. Keep away from sources of ignition/ heat. The flame-heated containers may cause an explosion. Use appropriate fire-fighting



SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	4 page 13

measures with respect to surrounding conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately; do not allow reaching sewage or effluent systems.

5.3. Advice for firefighters

Wear full protective clothing and self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (EN469 approved or equivalent).

5.4. Further information

Use water spray to cool unopened containers.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel:

Use personal protective equipment as described in Section 8 and comply with the safety requirements of Section 7. Try to avoid direct contact with the product, do not inhale. Immediately establish a suitable distance in all directions as leak area. Only Authorised personnel should enter the leak area, utilising appropriate personal protective equipment. Ensure adequate ventilation and prevent further leakage or spillage if safe to do so. As soon as possible leave contaminated area, obey the instructions from the emergency responders.

6.1.2. For emergency responders:

In case of spills stop the work. Ensure adequate ventilation. Sight on concentration in the air. Remove sources of ignition. Evacuate people from the polluted area to safe area. Avoid cracks in the equipment and pipes used, overfilling of tanks, any spillage of the product. Work at workplaces and premises with installed ventilation with air supply and extraction. Use adequate personal protective equipment as specified in Section 8 is appropriate. Only Authorised personnel should enter the leak area, utilising appropriate personal protective equipment. In the event there are any victims, bring them out of the area of the accident, render them the first medical aid, and call an ambulance.

6.2. Environmental precautions

Do not allow enter to drains, surface water, ground water, drainage systems. Avoid release to the environment. If the product enters drains, surface water, ground water report to appropriate authorities. Prevent spreading over a wide area.

6.3. Methods and material for containment and cleaning up

Pour absorbent material (sand, absorbent) on a small amount of spilled mixture and collect it in a suitable, marked, sealed container and dispose of in accordance with the requirements of legislation (section 13). Ensure that dust/vapour does not accumulate during the cleaning. Wash the contaminated area with water. Collect the resulting cleaning solutions by mechanical / manual or technical / automated instruments. Utilize according to legal requirements. In the case of spills of large quantities should be install barriers that prevent from entering to the outflow pipes, watercourses, cellars, and other enclosed spaces. If the product release into sewage and / or surface water / groundwater, as well as release in large quantities and / or large areas inform the relevant authorities.

6.4. Reference to other sections

Observe for safe using and storage in the Section 7; Observe for personal protection equipment in Section 8; Observe about the product removal in Section 13.

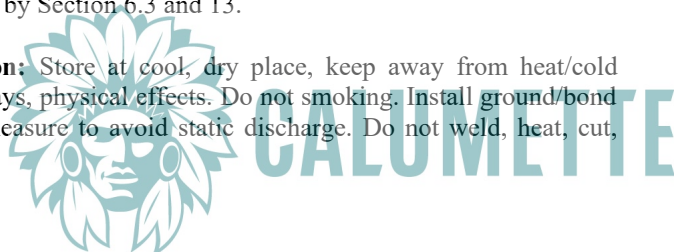
Section 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Recommendations for safe handling:

Follow the recommendations in Sections 7 and 8; Utilize by Section 6.3 and 13.

Information on protection against fire and explosion: Store at cool, dry place, keep away from heat/cold exposure, sparks and flame. Avoid direct sunlight, UV rays, physical effects. Do not smoking. Install ground/bond container and receiving equipment. Take appropriate measure to avoid static discharge. Do not weld, heat, cut,



SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	5 page 13

drill, throw, grind or otherwise make damage on the containers. In case of fire keep containers cool by spraying with water. Keep fire extinguishers and non-combustible absorption material on easily accessible place.

Information on aerosols and dust prevention: Avoid high vapour / aerosol concentrations in the air. Ensure that the workplace is an adequate air supply – exhaust ventilation. Use appropriate personal protective equipment as indicated in Section 8.

Environmental precautions: Do not allow enter to drains, surface water, ground water, drainage systems. Avoid release to the environment. Formation and accumulation of wastes and cleaning cloth shall be minimized.

7.1.2. Advice on general occupational hygiene

Do not eat, drink and smoke in work area. Wash hands after use. Use safety glasses, protective clothes and gloves. Remove contaminated clothing and protective equipment entering eating. Avoid contact with the skin and eyes. Do not inhale, do not swallow. Do not drink.

7.2. Conditions for storage, including any incompatibilities

Storage requirements: Keep in the tightly sealed containers in a dry, cool, well-ventilated place. Protect the product from air, water, sun or other environmental effects, dust or other various mechanical impurities, physical impact. Keep out of the reach of children, keep away from food, drink and animal feed. Ensure the appropriate conditions, keep in upright position to prevent from the fall. To avoid a potential explosion hazards the containers must be permanently fixed taking in account all possible precautionary measures. Use explosion-proof electrical / ventilating / lighting or other equipment. At the storage avoid direct sunlight, keep away from heat or sources of ignition. At the storage place must be prepared absorption material in case if product has spill. At the storage must be fire alarm. At the storage should be well-ventilated premises with extraction and supply ventilation systems installed. Assort fire-safety measures and inventory, fire alarm. Fire extinguishers should be kept handy. Storage temperature +12 - +20 °C. The containers must be sealed and resistant to the effects of the products.

Storage incompatibilities: It shall not be stored in the same premise with explosive materials; compressed gases, liquefied and dissolved under pressure; easily inflammable liquids and solid substances; organic peroxides and other oxidizing substances; substances exuding the inflammable gases which interact with water; caustic and corrosive substances.

Other information: Avoid of spillage or spreading even a small amount of product. Do not throw of residues in to container to avoid contamination and not be shortened validity of the products. Do not dispose to the landfills or sewers. Is not allowed to weld, heat, cut, drill, throw, grind or otherwise physically act on the containers with the product as well as on the containers without the product.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8. EXPOSURE CONTROLS (PERSONAL PROTECTION)

Using the PE (protective equipment) must be accompanied by additional measures: operating time (duration of exposure) should reflect the additional physiological stress for the worker's use PE. Furthermore, it is considered that the use of certain PE reduces the employee's ability to use tools and communication for these reasons, the employee should be: healthy (especially in view of medical problems that can affect the PE using) and must ensure impermeability / tightness between the body and the PE (taking into account factors such as scarring, hair et al). The employer and self-employed persons are legally responsible for the issuance and management of PE making adequate use in the workplace. Therefore, they should define and documented an appropriate PE use policies, including the employees training.

8.1 Control parameters

- 8.1.1 Occupational Exposure Limits:** No applicable for the product.
Compositions: Ingredients with derived OEL:
Propylene glycol (57-55-6): 8 hours – 150 ppm; 474 mg/m³ (UK, Workplace exposure limits)



SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	6 page 13

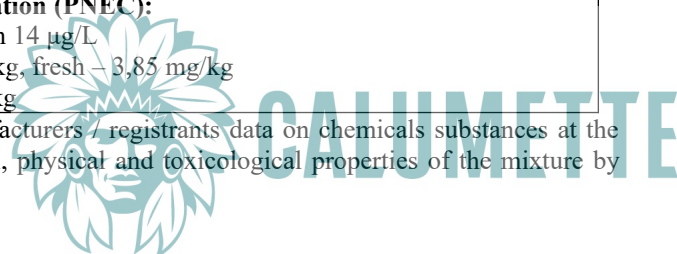
Ethanol (64-17-5): 8 hours – 1000 ppm; 1900 mg/m³ (Denmark, Finland, France, UK, Poland) 500 ppm; 960 mg/m³ (Germany AGS, Sweden, Switzerland).
Ethanol (64-17-5): 15 min – 1000 ppm; 1900 mg/m³ (Germany AGS, Sweden, Switzerland, Spain). 2000 ppm; 3800 mg/m³ (Denmark); 1300 ppm; 2500 mg/m³ (Finland); 5000 ppm; 9500 mg/m³ (France).
D-Limonene (5989-27-5): 8 hours – 25 ppm; 140 mg/m³ (Finland.); 5 ppm; 28 mg/m³ (Germany AGS).
D-Limonene (5989-27-5): 15 min – 50 ppm; 280 mg/m³ (Finland.); 20 ppm; 110 mg/m³ (Germany AGS).
Etilacetate (141-78-6): 8 hours – 200 ppm; 734 mg/m³; 15 min – 400 ppm; 1468 mg/m³ (European Union).

8.1.2 Biological Limit Value: No applicable for the product.
Compositions: Ingredients with derived BLV: No data available

8.1.3 PNECs and DNELs: No applicable for the product.
Compositions: Ingredients with derived DNEL/PNEC:

Propylene glycol (CAS 57-55-6)	Derived no-effect limits (DNEL): Inhale – 168 mg /m ³ (workers, long-term – systemic exposure) Inhale – 10 mg /m ³ (workers, long-term – local exposure) Oral – 50 mg/m ³ (workers, long-term – systemic exposure) Oral – 10 mg/m ³ (workers, long-term – local exposure) Predicted no-effect concentration (PNEC): Water: marine - 26 mg/L, fresh - 260 mg/L Sediment: marine - 57,2 mg/kg, fresh - 572 mg/kg Intermediate release (fresh water) 183 mg/L, STP 20000 mg/L, Soil 50 mg/kg
Ethanol (CAS 64-17-5)	Derived no-effect limits (DNEL): Inhale – 950 mg /m ³ (workers, long-term – systemic exposure) Dermal – 343 mg /kg (workers, long-term – systemic exposure) Inhale – 114 mg/m ³ (general population, , long-term – systemic exposure) Dermal – 206 mg /kg (general population, long-term – systemic exposure) Oral – 87 mg/kg (general population, long-term – systemic exposure) Predicted no-effect concentration (PNEC): Water: marine – 0,79 mg/L, fresh – 0,96 mg/L Sediment: marine – 2,9 mg/kg, fresh – 3,6 mg/kg Intermittent releases 2,75 mg/L, STP 580 mg/L, Soil 0,63 mg/kg
Etilacetate (CAS 141-78-6)	Derived no-effect limits (DNEL): Inhale – 734 mg /m ³ (workers, long-term – systemic exposure) Dermal – 63 mg /kg (workers, long-term – systemic exposure) Inhale – 367 mg/m ³ (general population, , long-term – systemic exposure) Dermal – 37 mg /kg (general population, long-term – systemic exposure) Oral – 4,5 mg/kg (general population, long-term – systemic exposure) Predicted no-effect concentration (PNEC): Water: marine – 0,024 mg/L, fresh – 0,24 mg/L Sediment: marine – 0,115 mg/kg, fresh – 1,15 mg/kg Intermittent releases 1,65 mg/L, STP 650mg/L, Soil 0,148 mg/kg
Trans-2-hexen-2-al (CAS 6728-26-3)	Derived no-effect limits (DNEL): No data Predicted no-effect concentration (PNEC): No data
D-Limonene (CAS 5989-27-5)	Derived no-effect limits (DNEL): Inhale – 66,7 mg /m ³ (workers, long-term – systemic exposure) Dermal – 9,5 mg /kg (workers, long-term – systemic exposure) Inhale – 16,6 mg/m ³ (general population, , long-term – systemic exposure) Dermal – 4,8 mg /kg (general population, long-term – systemic exposure) Oral – 4,8 mg/kg (general population, long-term – systemic exposure) Predicted no-effect concentration (PNEC): Water: marine – 1,4 µg/L, fresh 14 µg/L Sediment: marine – 0,385 mg/kg, fresh – 3,85 mg/kg STP 1,8 mg/L, Soil 0,763 mg/kg

Data provided according to valid list and/or based on manufacturers / registrants data on chemicals substances at the SDS compiling time. Based on our knowledge, the chemical, physical and toxicological properties of the mixture by



SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	7 page 13

self, not been thoroughly investigated.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Working time an open-ended (till 480 minutes/shift, 5 shifts per week). Ensure that concentration in the air be below as permissible exposure limit values. Use the proper exhaust ventilation. Arrange regular air conditions control of work place. Ensure that eye wash stations and safety showers are close to the workstation location.

8.2.2. Individual protection measures, such as personal protective equipment

Avoid directly contact with the product. Wear suitable personal protective equipment. When using does not eat, drink or smoke. Wash hands before breaks and immediately after handling product. Remove contaminated clothing and protective equipment after work or before breaks. Use certified protection equipment according to EU or equivalent requirements and standards. Ensure sufficiently limited risk using the technical measure as well as collective protection tools, methods or work organization procedures.

Eyes/face protection



Use equipment for eye protection tested and approved under appropriate government standards (DIN EN 166), avoid get into eyes.

Hand protection



Wear chemical protective gloves. The selected protective gloves material must be resistant to the product effects as well to have to satisfy the specifications of EU Directive 89/686/EEC derived from it (standard EN 374). Check protective gloves prior to each use for their proper condition. Choose gloves to protect hands against chemicals, depending on the concentration and quantity of the hazardous substance and specific to place of work Suitable material for long-term use is butyl (nitrile rubber) - thickness 0,6 – 0,8 mm, breakthrough time > 480 min. Contaminated gloves shall be replace immediately. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Skin protection



Wear shoes, and long-sleeved clothing (EN 14605). Avoid the substance get in to the shoes. Choose body protection according to the amount and concentration of the dangerous substance at the work place. Recommend to wear antistatic protective clothing or at least cotton, non-electric clothes.

Respiratory protection



Use individual respiratory protection measures in case of insufficient ventilation with long-term exposure as well as formation of the dust are possible. Use the mask or half mask with filter, how protect against particles (EN 143, 14387), or filtered half mask with the valves to protect against particles (EN 149).

Thermal hazards

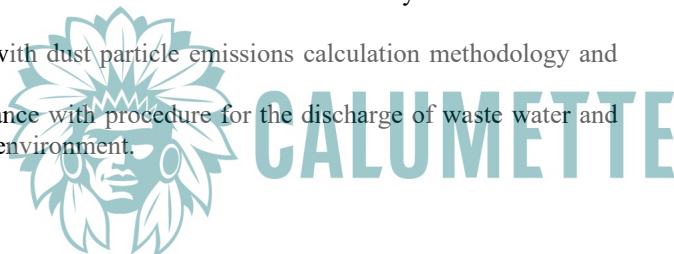
The usual precautions for working with the flammable chemical substances / mixtures.

8.2.3. Environmental exposure controls

Emission from ventilation and/or manufacturing equipment must be tested at least annually to make sure the compliance to the environmental legislation.

Air: The impact on air must be carried in accordance with dust particle emissions calculation methodology and local/regional/national legislation.

Water: The impact on water must be carried in accordance with procedure for the discharge of waste water and the methods / criteria for determining the inputs into the environment.



SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	8 page 13

Soil: The impact on soil must be carried in accordance with procedure for the discharge of waste water and the methods / criteria for determining the inputs into the environment.

Section 9. PHYSICAL AND CHEMICALS PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Odour	specific
Odour threshold	Not applicable/no data
pH	Not relevant
Melting point/freezing point	Not applicable/no data
Initial boiling point and boiling range	Not applicable/no data
Flash point	>23 - <60 °C
Evaporation rate	Not applicable/no data
Flammability (solid, gas)	Not relevant
Upper/lower flammability or explosive limits	Not relevant
Vapour pressure	Not relevant
Vapour density	Not applicable/no data
Relative density	>1
Solubility (ies)	Soluble in water
Partition coefficient: n-octanol/water	Not applicable/no data
Auto-ignition temperature	Not relevant
Decomposition temperature	Not relevant
Viscosity	Not applicable/no data
Explosive properties	Not relevant
Oxidising properties	Not applicable/no data

9.2. Other information: Not applicable.

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity

No decomposition processes, exothermic reactions occur if the substance is used according to the intended purpose.

10.2. Chemical stability

Stable at the recommended use/storage conditions.

10.3. Possibility of hazardous reactions

Does not hazardous reactions at the recommended use/storage conditions.

10.4. Conditions to avoid

Moisture, contamination combustible materials, alkalis, strong acids, oxidizers, high / low temperature, heat / cold, open flames, hostage / hot surfaces, freezing.

10.5. Incompatible materials

Explosives, compressed gases, liquefied gases, dissolved gases, flammable solids, self-reactive substances, substances which, in contact with water, emit flammable gases, oxidizing agents, organic peroxides, poisonous substances, infectious substances, radioactive material, corrosive substances, substances with relatively low risk of storage, strong acid and alkali, alkaline earth metals, halogens.

10.6. Hazardous decomposition products

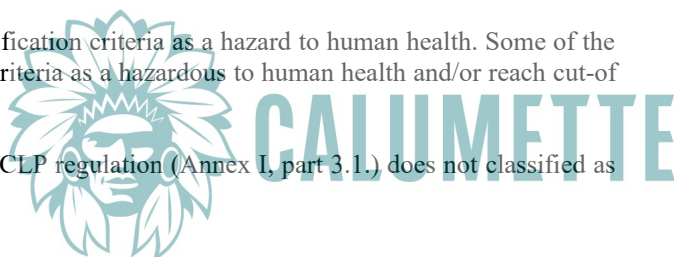
Combustion products.

Section 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

According to CLP regulation the mixture does met classification criteria as a hazard to human health. Some of the ingredients of the mixture does met some classification criteria as a hazardous to human health and/or reach cut-of value.

Acute toxicity: The mixture according to the criteria of CLP regulation (Annex I, part 3.1.) does not classified as



SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	9 page 13

acute toxic/harmful by oral, dermal and/or inhale route. Based on available data, the classification criteria are not met.

Composition: Ingredients related to Acute toxicity:

Trans-2-hexen-2-al (6728-26-3): LD50 (oral) >300 - <2000 mg/kg; LD50 (dermal) >200 - <1000 mg/kg.

Skin corrosion/ serious eye damage: The mixture according to the criteria of CLP regulation (Annex I, part 3.2. / 3.3.) does not classified as skin corrosion / serious eye damage. Based on available data, the classification criteria are not met.

Composition: Ingredients related to skin corrosion / serious eye damage: none

Skin / serious eye irritation: The mixture according to the criteria of CLP regulation (Annex I, part 3.2.2 / 3.3.) does not classified as skin / serious eye irritation. Based on available data, the classification criteria are not met.

Composition: Ingredients related to skin / serious eye irritation:

D-Limonene – skin irritant

Ethanol – serious eye irritant (C ≥ 50 %)

Etilacetate – serious eye irritant

Trans-2-hexen-2-al – seriuous eye irritant

Skin sensitization: The substance according to the criteria of CLP regulation (Annex I, part 3.4.) does classify as skin sensitizer. Based on available data, the classification criteria are fulfilled.

Composition: Ingredients related to skin sensitization:

Trans-2-hexen-2-al – skin sensitizer

D-Limonene – skin sensitizer

Respiratory sensitization: The substance according to the criteria of CLP regulation (Annex I, part 3.4.) does not classified as respiratory sensitizer. Based on available data, the classification criteria are not met.

Composition: Ingredients related to respiratory sensitization: none

Mutagenicity: The substance according to the criteria of CLP regulation (Annex I, part 3.5.) does not classified as mutagenic. Based on available data, the classification criteria are not met.

Carcinogenicity: The substance according to the criteria of CLP regulation (Annex I, part 3.6.) does not classified as carcinogenic. Based on available data, the classification criteria are not met.

Reproductive toxicity (development / fertility): The substance according to the criteria of CLP regulation (Annex I, part 3.7.) does not classified as reproductive toxic. Based on available data, the classification criteria are not met.

Composition: Ingredients related to CMR: none

STOT SE: The substance according to the criteria of CLP regulation (Annex I, part 3.8.) does not classified as specific target organ toxic (single exposure). Based on available data, the classification criteria are not met.

Composition: Ingredients related to STOT:

Etilacetate – specific target organ toxic

STOT RE: The substance according to the criteria of CLP regulation (Annex I, part 3.9.) does not classified as specific target organ toxic (repeated exposure). Based on available data, the classification criteria are not met.

Composition: Ingredients related to STOT: none

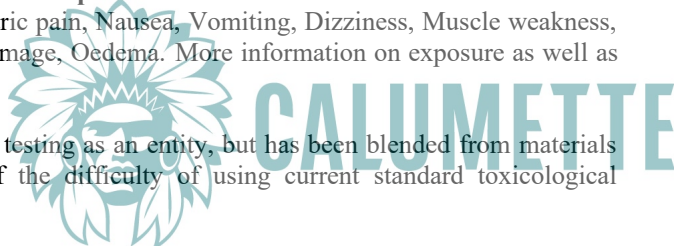
Aspiration toxicity: The substance according to the criteria of CLP regulation (Annex I, part 3.10.) does not classified as hazard for aspiration. Based on available data, the classification criteria are not met.

Composition: Ingredients related to aspiratory: none

Symptoms related to the physical, chemical and toxicological characteristics and delayed and immediate effects as well as chronic effects from short and long-term exposure:

Ingestion may provoke the following symptoms; Epigastric pain, Nausea, Vomiting, Dizziness, Muscle weakness, tachycardia, Cyanosis, Delirium, Convulsions, Renal Damage, Oedema. More information on exposure as well as symptoms is provided in section 4 of SDS.

This preparation has not been subjected to toxicological testing as an entity, but has been blended from materials with established toxicological biographies. In view of the difficulty of using current standard toxicological



SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	10 page 13

evaluation techniques to predict potential hazards to susceptible individuals or arising from unforeseen potentiation, this preparation should be considered and handled as if it displayed health hazards and treated in consequence with all possible precaution.

Section 12. ECOLOGICAL INFORMATION

12.1. Eco toxicity

Aquatic Acute: The mixture according to the criteria of CLP regulation (Annex I, part 4.1.) does not classified as Aquatic Acute. Based on available data, the classification criteria are not met.

Aquatic Chronic: The mixture according to the criteria of CLP regulation (Annex I, part 4.1.) does classified as / harmful to aquatic life with long lasting effects. Based on available data, the classification criteria are fulfilled.

Composition: Ingredients related to Aquatic toxicity:

	Fish: LC50: > 0,1 - < 1 mg/l (96 h.); NOEC/EC10: > 0,001 - < 0,01 (rapidly degradable)
D-Limonene (5989-27-5)	Invertebrates: EC50: >0,1 - < 1 mg/L (96 h.); NOEC/EC10: > 0,001 - < 0,01 (rapidly degradable)
	Algae: ErC50: >0,1 - < 1 mg/L (72 h.); NOEC/EC10: > 0,001 - < 0,01 (rapidly degradable)
Trans-2-hexen-2- al (6728-26-3)	Fish: LC50: > 1 (96 h.); NOEC/EC10: > 0,01 - < 0,1 (rapidly degradable)
	Invertebrates: EC50: > 1 mg/L (96 h.); NOEC/EC10: > 0,01 - < 0,1 (rapidly degradable)
	Algae: ErC50: > 1 mg/L (72 h.); NOEC/EC10: > 0,01 - < 0,1 (rapidly degradable)

12.2. Persistence and degradability

No further relevant information on the mixture are available. The substances in the mixture are considered as readily degradable.

12.3. Bio-accumulative potential

No further relevant information on the mixture are available. The substances in the mixture are considered as non bioaccumulative.

12.4. Mobility in soil

No further relevant information on the mixture are available.

12.5. Results of PBT and vPvB assessment

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with Annexe XIII of the REACH regulations EC 1907/2006.

12.6. Other adverse effects:

No significant effects or critical hazards know.

Section 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste treatment must be carried out in accordance with the procedure established by Law on Waste Management of the Republic of Ireland, Waste Management Regulations as well as other legislations of the Republic of Ireland. The Product must not be poured directly into sewerage or to the environment. Pour absorbent material (sand, absorbent) on a small amount of spilled mixture and shovel it into hermetic containers, wash the contaminated area with water. Hand over the contaminated absorbent to waste management companies as a hazardous waste.

Waste code: depends on the uses. Based on the uses and waste generation the waste code should assign end-user.

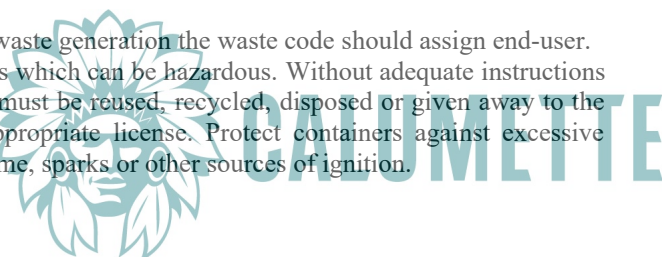
Note: Waste codes assigned based on common use of the product and may be unrelated to the emissions from the actual use. In order to attribute an appropriate waste disposal code, waste producer have to assess real process in time as waste was formed.

Contaminated packaging.

Completely empty container and disposed according legislation (Law on Waste Management of the Republic of Ireland, Waste Management Regulations).

Waste code: depends on the uses. Based on the uses and waste generation the waste code should assign end-user.

Warning: At empty containers may contain some residues which can be hazardous. Without adequate instructions do not try to refill or clean containers. Empty containers must be reused, recycled, disposed or given away to the contractor, who performs such a work and have the appropriate license. Protect containers against excessive pressure, don't cut, weld, non-shrink. Keep away from flame, sparks or other sources of ignition.



SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	11 page 13

Section 14. TRANSPORT INFORMATION

For the product does apply requirements and classification of transport of dangerous goods (IMDG, IATA, ADR/RID).

	ADR / RID	ADNR / IMDG	IATA
14.1. UN number	1197	1197	1197
14.2. UN proper shipping name	EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID	EXTRACTS, FLAVOURING, LIQUID
14.3. UN Transport hazards class (-es)	3	3	3
14.4. Packing group	III	III	III
14.5. Label	3		
14.6. Environmental hazards	Not	Not	Not
14.7. Special Precautions for user	601 640E		
Transport in bulk according to Annex II of MARPOL 73/8 and the IBC Code	Not applicable		

Section 15. REGULATORY INFORMATION

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

Authorisations: Not applicable

Restrictions on use: Not applicable

EU regulations

The consolidated version of the Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The consolidated version of the Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation)

Commission Regulation (EU) 2015/830 (Safety data sheet)

Council Regulation (EC) No 440/2008 (test methods)

Regulation (EU) 2016/425 on personal protective equipment (PPE)

Directive 2012/18/EU (Seveso III)

Directive 94/33/EEB (protection of young people)

Directive 2014/40/EU (Tobacco products)

European Agreement concerning the International Carriage of Dangerous Goods (ADR/RID; ADNR/IMDG; IATA)

European List of waste (LoW)

Note: – Respectively the latest version, including all amendment and corrections.

15.2. Chemical safety assessment

In accordance with Regulation (EC) 1907/2006 (REACH) Article 14 a Chemical Safety Assessment not carried out (does not require for the mixtures).

Section 16. OTHER INFORMATION

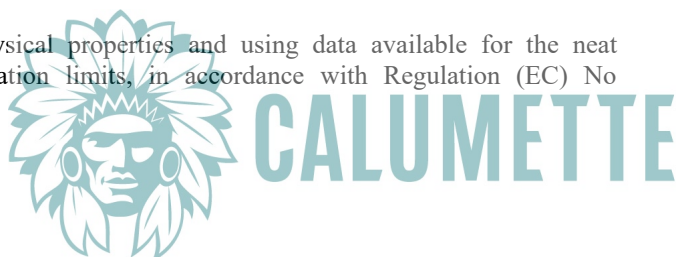
16.1. Indication of changes

Information contained in the Regulation 1907/2006/EC with the Regulation 2015/830 as amended. First edition. Revision: 2018-10-19. Version: 1

16.2. Used method for classification

The mixture was classified based on chemical – physical properties and using data available for the neat substances with the application of relevant concentration limits, in accordance with Regulation (EC) No 1272/2008.

16.3. Relevant identified uses of the substance or mixture



SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	12 page 13

Concentrated aromatic raw material. Not for personal use in this form or concentration. For manufacturing use only.

16.4. Abbreviations and acronyms

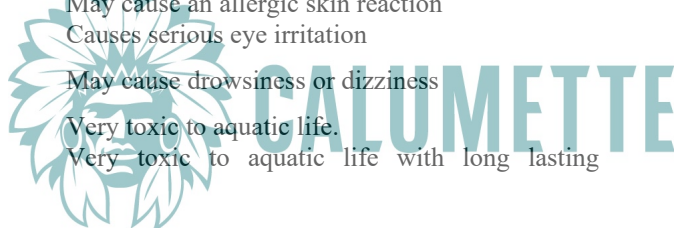
ACGIH American Conference of Industrial Hygienists
ADR/RID European agreement concerning the international carriage of dangerous goods by Road/ Rail.
PPE Personal protective equipment
CAS Chemical Abstracts Service
CMR Carcinogenic, mutagenic, reproductive toxic
CLP Regulation of classification, labelling and packaging (EB) No. 1272/2008
DNEL The derived no-effect level
EC50 Term half maximal effective concentration
ECHA European Chemicals Agency
EINECS European Inventory of Existing Commercial chemical Substances
EWC European Waste Catalogue
ERC Environmental Release Categories
IARC International Agency for Research on Cancer
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods
LTEL Long Term Exposure Limit
LC50 Median lethal dose
MS Member states
NTP Nacional toxicity program
OELV Occupational Exposure Limit Values
OSHA Occupational Safety and Health Administration
PBT Persistent Bioaccumulative and Toxic substances
PNEC Predicted No Effect Concentration
RE repeated exposure
REACH Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
SCOEL Scientific Committee on Occupational Exposure Limit
SDS Safety data sheet
SE single exposure
STP Sewage treatment plant
STOT Specific target organ toxicity
TLV-TWA Threshold limit value - Time weighted average
STEL Short-term exposure limit
VLE Value Limit Exposure
vPvB Very persistent and very bioaccumulative

16.5. Literature references

European chemicals bureau (ECB), European chemicals agency (ECHA), European Agency for safety and health at work (OSHA), European food safety agency (EFSA), Organisation for economic co-operation and development (OECD), Germany IFA (GESTIS), Swedish Chemicals Agency (Kemi), The International Labour Organization (ILO), TOXNET and etc. databases and public provided data.

16.6. Full list of provided (section 2 and/or 3) hazard statements (H) for danger indications

Flammable liquids, Category 2	H225	Highly flammable liquid and vapour
Flammable liquids, Category 3	H226	Flammable liquid and vapour
Acute toxicity (oral), Category 4	H302	Harmful if swallowed
Acute toxicity (dermal), Category 3	H311	Toxic in contact with skin
Skin irritation, Category 2	H315	Causes skin irritation
Skin sensitisation, Category 1	H317	May cause an allergic skin reaction
Serious eye irritation, Category 2	H319	Causes serious eye irritation
Specific target organ toxicity after single exposure	H336	May cause drowsiness or dizziness
Aquatic Acute, Category 1	H400	Very toxic to aquatic life.
Aquatic Chronic, Category 1	H410	Very toxic to aquatic life with long lasting



SAFETY DATA SHEET

Set in accordance to Regulation (EC) No. 1907/2006 (REACH), with updated according to Regulation (EC) No. 2015/830	Date of issue: 2018-10-19 Version No.: 1 Revision No.: 1
Mixture: CACTUS-SEÑOR	13 page 13

Aquatic Chronic, Category 2	H411	effects.
Aquatic Chronic, Category 3	H412	Toxic to aquatic life with long lasting effects.
Supplemental hazard information	EUH066	Harmful to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking

16.7. Information on trainings

Workers/users shall be trained / introduced with the provided relevant hazard / safety information.

16.8. Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if has been advised of the possibility of such damages.

