

Safety Data Sheet

According to Regulation (EC) No 1907/2006, Article 31



Product Number O20221
Product Name Cardamom Extract

Date of issue: 09-04-2021
Version: 1
Version date:

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1 Product name: Cardamom Extract
Product code: O20221
1.2 Use of Product: Flavouring
1.3 Company: Aroma Innovation & Creation
Edisonweg 29
5482 TJ Schijndel
The Netherlands
Telephone: +31 (0) 413 253 601
E-mail address: info@aroma-inc.com
1.4 Emergency telephone: +31 (0) 413 253 601 (available only during office hours)

2. HAZARD IDENTIFICATION

2.1 classification of the mixture
According to Regulation (EC) No 1272/2008

Hazard Descriptions :

Hazard classes	Category	Hazard statements
Flammable liquids	2	H225 – Highly flammable liquid and vapour

2.2 Label elements

According to Regulations (EC) No 1272/2008

This product does not have to be labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.

Hazard pictogram:

Signal word(s):

danger



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Hazard statements:

H225 – Highly flammable liquid and vapour

Precautionary statements:

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

P280 - wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

P501 – Dispose of contents/container in accordance with local/regional/national/international regulations

P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water.

2.3 Other hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description:

The product is a preparation/mixture of natural, nature-identical or permitted artificial flavourings, foods, permitted additives and/or permitted solvents or carrier substances.

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Dangerous components:

Hazardous ingredients according to Regulation (EC) No 1272/2008

Chemical name	Cas #	EINECS #	(%)	Classification
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For the full text of the H-statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES.

4.1 Description of first aid measures

After Inhalation:

Move the exposed person to fresh air. Get medical attention for any breathing difficulty.

After Skin Contact:

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if any discomfort develops. Wash clothing before reuse. Thoroughly clean shoes before reuse.

After Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if any discomfort develops.

After Ingestion:

Do NOT induce vomiting. Wash out mouth with plenty of water provided person is conscious. If large amounts were swallowed or symptoms occur, get medical attention.

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

No further relevant information available.

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

No further relevant information available.

5. FIRE FIGHTING MEASURES.

5.1 Extinguishing media.

Suitable Extinguishing Agents:

Carbon dioxide, dry chemical powder or appropriate foam.

For Safety Reasons Unsuitable Extinguishing Agents:

Straight streams of water.

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5.2 special hazards arising from the substance of mixture.

During a fire irritating and toxic gases, carbon dioxide, and carbon monoxide may be generated by thermal decomposition or combustion.

5.3 advise for firefighters

Special protective equipment for fire fighting:

In the event of a fire, wear full protective clothing and self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode.

Other Information:

Use water spray to keep fire-exposed containers cool. Move exposed containers from fire area, if it can be done without risk. Fire residues and contaminated fire fighting water must be disposed of in accordance within the local regulations

6. ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment's and emergency procedures.

Ventilate area of leak or spill. Use proper personal protective equipment as indicated in section 8. Eliminate all ignition sources. Do not touch or walk through spilled material.

6.2 Environmental precautions.

Prevent spread over a wide area. Stop leak if you can do it without risk. Do not discharge into the drains/surface waters/groundwater. Inform respective authorities in case of seepage into water course of sewage system.

6.3 Methods and materials for containment and Cleaning up.

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for disposal. Do not use combustible materials, such as sawdust. Wash spill site after material pick up is completed. Use clean non-sparking tools to collect absorbed material.

6.4 Reference to other sections.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling.

Use with adequate ventilation. Avoid contact with heat, sparks and flame. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

7.2 Conditions for safe storage, including any incompatibilities.

Protect containers from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatible substances. Store in firmly closed containers.

7.3 specific end use(s).

No further relevant information available.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.
Use appropriate protective tools.

8.2 Exposure control.
Ventilation: A system of local and/or general exhaust is recommended.
Safety Stations: Maintain eye wash fountain and quick-drench facilities in work area.
Contaminated Equipment: Wash contaminated clothing before reuse. Clean contaminated shoes before reuse.
Respiratory Protection: Compatible mask recommended in case of prolonged exposure.
For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator.
Hand Protection: Wear compatible chemical-resistant gloves.
Eye Protection: Eyeglasses or goggles recommended in case of splashing into eyes.
Skin Protection: Wear clean body-covering clothing.

8.3 Environmental protection.
Fire residues and contaminated fire fighting water must be disposed of in accordance within the local regulations.
Product must be disposed of in compliance with the respective national regulations in force. Packaging that can not be cleaned should be disposed of as for product.
Ventilation: Use adequate general or local ventilation.
Safety Stations: Maintain eye wash fountain and quick drench facilities in work area.
Contaminated equipment: Wash contaminated clothing/shoes before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Property	Result
Appearance	Cloudy yellow Liquid
Characteristic odour and taste of	Typical taste and odour of cardamom
pH	Not determined
Boiling point	Not determined
Flash point	<23 °C (Closed cup method)
Danger of explosion	Product is not explosive. However, formation of explosive air/vapour mixtures is possible.
Self-igniting	Product is not self-igniting
Oxidising properties	Not an oxidizer
Vapour pressure	Not determined
Density	0,871 kg/l
Solubility	Not determined
Partition coefficient (n-octanol/water)	Not determined
Viscosity	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Melting freezing temperature	Not applicable
Ignition temperature	Not determined
Decomposition temperature	Not determined

Other information:
No further relevant information available.

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10. STABILITY AND REACTIVITY

10.1 Reactivity:

No dangerous reactions known.

10.2 Chemical stability:

Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions:

No dangerous reactions known. Hazardous polymerization will not occur.

10.4 Conditions to avoid:

Ignition sources, excess heat and incompatible materials.

10.5 incompatible materials:

Strong oxidizing agents.

10.6 Hazardous decomposition products:

During a fire irritating and toxic gases, carbon dioxide and carbon monoxide may be generated by thermal decomposition or combustion.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity; No data available

Carcinogenicity: No data available

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure:
No data available

Specific target organ toxicity - repeated exposure:
No data available

Aspiration hazard: No data available

Potential health effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

No further relevant information available.

12.2 Persistence and degradability:

No further relevant information available.

12.3 Bioaccumulative potential:

No further relevant information available.

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12.4 Mobility in soil:

No further relevant information available.

12.5 Results of PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects:

No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Product must be disposed of in compliance with the respective national regulations in force.
Packaging that can not be cleaned should be disposed of as for product.

14. TRANSPORT INFORMATION

14.1 UN1197

14.2 Proper UN shipping name:

ADR/RID: 1197 EXTRACTS, FLAVOURING, LIQUID

ICAO-TI & IATA-DGR : 1197 EXTRACTS, FLAVOURING, LIQUID

IMDG : 1197 EXTRACTS, FLAVOURING, LIQUID

14.3 Transport hazard class(es):

ADR/RID: Class 3 flammable liquids

ICAO-TI & IATA-DGR : Class 3 flammable liquids

IMDG : Class 3 flammable liquids

14.4 Packing Group: II

14.5 Environmental hazard : marine pollutant : No

14.6 Special precautions for users:

Warning flammable liquids.

EmS Number: F-E-S-D

15. REGULATORY INFORMATION

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

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Observe the general safety rules when handling the product.

15.2 Chemical safety assessment.

A chemical safety assessment has not been carried out.

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16. OTHER INFORMATION

Full text of H statements referred to under sections 3:

Further information:

The information contained in this document is believed to be accurate and represents the best information currently available to us. However, these data are provided without any warranty expressed or implied regarding its correctness or accuracy.

The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data do not signify any warranty with regard to the product properties.

Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose. Aroma Innovation & Creation (Aroma Uden B.V.) does not accept any liability for loss, injury or damage, which may result from this information and its product.

Product is reviewed on

Version 1

replaces SDS with all previous dates.