

# **CERTIFICATE OF ANALYSIS**

PRODUCT CADE OIL, RECTIFIED

BATCH NUMBER 4519508

BEST BEFORE SEPTEMBER 2026

DATE

UNIT RESULTS TEST

OPAQUE MOBILE LIQUID

APPEARENCE BROWN-RED

COLOR SMOKEY, TARRY, STINKY

ODOR (g/ml) 1.030 DENSITY 20 1.5260

REFRACTIVE IND.20 PROFILE SIMILAR TO STANDARD

GC ANALYSIS

## REACH REGISTRATION NO 01-2120737761-52

WE CERTIFY THAT THE QUALITY OF THIS PRODUCT CONFORMS WITH OUR SPECIFICATIONS.

THIS CERTIFICATE DOES NOT RELEASE THE CUSTOMER FROM THE OBLIGATION TO CARRY OUT AN EXAMINATION OF THE GOODS RECEIVED.

WE, SHALL NOT BE HELD LIABLE FOR ANY DAMAGE OR INJURY RESULTING FROM HANDLING OR WITH THE ABOVE PRODUCT.

THIS IS A COMPUTER PRINTED DOCUMENT AND IT IS THEREFORE NOT SIGNED.



## FRAGRANCE ALLERGENS

Product name: CADE OIL, RECTIFIED

Ingredient	Total content (w/w)
Amyl cinnamic alcohol (CAS 101-85-9)	Not Detected
Amyl cinnamic aldehyde (CAS 122-40-7)	Not Detected
Anisyl alcohol (CAS 105-13-5)	Not Detected
Benzyl alcohol (CAS 100-51-6)	Not Detected
Benzyl benzoate (CAS 120-51-4)	Not Detected
Benzyl cinnamate (CAS 103-41-3)	Not Detected
Benzyl salicylate (CAS 118-58-1)	Not Detected
Cinnamic alcohol (CAS 104-54-1)	Not Detected
Cinnamic aldehyde (CAS 104-55-2)	Not Detected
Citral (CAS 5392-40-5)	Not Detected
Citronellol (CAS 106-22-9)	Not Detected
Coumarin (CAS 91-64-5)	Not Detected
Eugenol (CAS 97-53-0)	< 1,0%
Farnesol (CAS 4602-84-0)	Not Detected
Geraniol (CAS 106-24-1)	Not Detected
Hexylcinnamic aldehyde (CAS 101-86-0)	Not Detected
Hydroxycitronellal (CAS 107-75-5)	Not Detected
Hydroxymethylpentylcyclohexene carboxaldehyde (Lyral) (CAS 31906-04-4)	Not Detected
Isoeugenol (CAS 97-54-1)	< 2,5%
D-Limonene (CAS 5989-27-5)	< 0,5%
Linalool (CAS 78-70-6)	Not Detected
2-methyl-3-(4-(1,1-dimethyl ethyl) phenyl)propanal (Lilial) (CAS 80-54-6)	Not Detected
Methyl heptine carbonate (CAS 111-12-6)	Not Detected
Gamma-methylionone (iso-alfa-Methylionone) (3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one) (CAS 127-51-5)	Not Detected
Treemoss (Evernia furfuracea) (CAS 90028-67-4)	Not Detected
Oakmoss (Evernia prunastri)(CAS 90028-68-5)	Not Detected

Detection limit: 10 ppm

This list comprises references 45, 67-78 and 80-92 in Annex III to Regulation (EC) 1223/2009 (the Cosmetics Regulation). It also contains the substance known as Lyral, which was withdrawn from Annex III on 23 August 2021.

Version date: 30 November 2011



# **GMO CERTIFICATE**

Product: CADE OIL, RECTIFIED

This is to certify that to the best of our knowledge the above-mentioned product

- does not contain
- · does not consist of
- is not derived from
- is not produced with the help of

genetically modified organisms (GMO) or derivative ingredients as per EU Directive 2001/18/EC.

Foods containing this product are not subject to the labelling requirements of Regulations (EC) 1829/2003 and 1830/2003.

This material complies with article 9 of Regulation (EC) 834/2007 and article 11 of Regulation (EU) 2018/848 regarding the prohibition on the use of GMOs in organic production.

This document is electronically generated and therefore it is not signed



# IFRA CONFORMITY CERTIFICATE

Product: CADE OIL, RECTIFIED

We certify that the above-mentioned product is in compliance with the Standards of the International Fragrance Associaton (IFRA) up to and including the 50th Amendment to the IFRA Standards (published June 2021), provided it is used in the following categories at a maximum concentration level of (1):

Category 1	0,07%	(2)	Category 7A	0,07%
Category 2	0,06%		Category 7B	0,07%
Category 3	0,07%		Category 8	0,07%
Category 4	0,07%		Category 9	0,07%
Category 5A	0,07%		Category 10A	0,07%
Category 5B	0,07%		Category 10B	0,07%
Category 5C	0,07%		Category 11A	0,07%
Category 5D	0,07%		Category 11B	0,07%
Category 6	0,07%	(2)	Category 12	0,07%

<sup>(1)</sup> the concentration of a fragrance ingredient should not exceed the usual concentration of the fragrance compound in the finished product.

Please note this certificate does not include food status conformity check. A separate document, wich may be available depending on the product, is needed for such purpose.

Contains the following substances restricted by IFRA standards:

BENZOPYRENE AND BENZANTHRACENE (MARKERS FOR PAHs)	< 0,00015%
EUGENOL	< 1%
ISOEUGENOL	< 2,5%
2-METHOXY-4-METHYLPHENOL (CREOSOL)	< 4%
DIHYDROEUGENOL (2-METHOXY-4-PROPYLPHENOL)	< 2,5%

and complies with the latest IFRA specification.

It may contain the following substances, for which a prohibition standard exists:

CADE OIL (JUNIPERUS OXYCEDRUS L.)	<	100%
FURFURYL ALCOHOL	<	0,1%

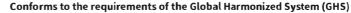
Note: If Cade oil is used alone or in combination with rectified birch tar oils, the total amount of benzopyrene and benzanthracene should not exceed 1 ppb in the final product.

Note: Furfuryl alcohol as such should not be used as fragrance iggredient. However, exposure to Furfuryl alcohol from the use of Cade oils or Coffee extracts is not significant and ot regarded of concern from a consumer safety point of wiew.

This certificate provides restrictions for use of the specified product based only on those materials rectricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. It does not provide certification of a comprehensive safety assessment of all product constituents.

IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of Practice of IOFI (International Organisation of the Flavour Industry).

#### **SAFETY DATA SHEET**





**CADE OIL, RECTIFIED** 

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

#### 1.1. Identification of the substance/mixture

Trade name: CADE OIL, RECTIFIED Substance name: CADE OIL, RECTIFIED CAS Number: 90046-02-9 CE Number: 289-969-0

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

Raw material for the manufacture of fragrances and/or flavourings.

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

Company: Madar Corporation Limited

Address: 19 - 20 Sandleheath Industrial Estate

Telephone: Fordingbridge, SP6 1PA

01425 655 555

E-mail: technical@madarcorporation.co.uk

#### 1.4. Emergency telephone number

NCEC (+44) 1865 407333 (24h) NCEC (+34) 91 114 2520 (24h) (ES)

NCEC (+1) 202 464 2554 (24h) (USA, Canada)

## 2. HAZARDS IDENTIFICATION

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

Acute Tox. 5 (oral) - H303 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1A - H317 Muta. 2 - H341 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

#### 2.2. Label Elements

# Hazard pictograms:



#### Signal Word:

Danger

#### Hazard statements:

H303 - May be harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H341 – Suspected of causing genetic defects.

H410 - Very toxic to aquatic life with long lasting effects.

## Precautionary statements:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310+P331 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. P302+P352+P333+P313 – IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338+P337+P313 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### 2.3. Other hazards

No Information available



# SAFETY DATA SHEET

## Conforms to the requirements of the Global Harmonized System (GHS)

## **CADE OIL, RECTIFIED**

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# 3. COMPOSITION/INFORMATION ON INGREDIENTS

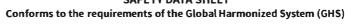
## 3.1. Substances

Chemical name: CADE OIL, RECTIFIED CAS number: 90046-02-9 EC number: 289-969-0

#### **Hazardous constituents:**

Chemical Name	% (w/w)	CAS No EC No	Classification according to GHS
ALPHA-CEDRENE	≥10; <25	469-61-4 207-418-4	Skin Irritant - Category 2 - H315 Aspiration hazard - Category 1 - H304 Hazardous to the aquatic environment, short-term (acute) - Category 1 - H400 Hazardous to the aquatic environment, long-term (chronic) - Category 1 - H410 M-Factor: 10
2-METHOXY-4-METHYLPHENOL	≥1;<10	93-51-6 202-252-9	Acute Toxicity - Category 4 (oral) - H302 Skin Irritant - Category 2 - H315 Eye Irritant - Category 2A - H319 Skin sensitizer - Category 1B - H317
4-ETHYLGUAIACOL	≥1; <10	2785-89-9 220-500-4	Acute Toxicity - Category 4 (oral) - H302 Skin Irritant - Category 2 - H315 Eye Irritant - Category 2 - H319 Specific target organ toxicity following single exposure - Category 3 (irritation) - H335
PHENOL	≥1;<10	108-95-2 203-632-7	Acute Toxicity - Category 3 (oral) - H301 Acute Toxicity - Category 3 (dermal) - H311 Acute Toxicity - Category 3 (inhalation) - H331 Skin Irritant - Category 2 - H315 Eye Irritant - Category 2 - H319 Germ cell mutagenicity - Category 2 - H341 Specific target organ toxicity following repeated exposure - Category 2 - H373
P-CRESOL	≥1; <10	106-44-5 203-398-6	Flammable Liquids - Category 4 - H227 Acute Toxicity - Category 3 (oral) - H301 Acute Toxicity - Category 3 (dermal) - H311 Skin Corrosion - Category 1B - H314 Serious eye damage - Category 1 - H318 Hazardous to the aquatic environment, long term (chronic) - Category 3 - H412
O-CRESOL	≥1; <10	95-48-7 202-423-8	Flammable Liquids - Category 4 - H227 Acute Toxicity - Category 3 (oral) - H301 Acute Toxicity - Category 3 (dermal) - H311 Skin Corrosion - Category 1B - H314 Serious eye damage - Category 1 - H318 Hazardous to the aquatic environment, long-term (chronic) - Category 3 - H412
CEDROL	≥1;<10	77-53-2 201-035-6	Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401 Hazardous to the aquatic environment, long-term (chronic) - Category 2 - H411
ISOEUGENOL	≥1;<10	97-54-1 202-590-7	Acute Toxicity - Category 4 (oral) - H302 Acute Toxicity - Category 4 (dermal) - H312 Acute Toxicity - Category 4 (inhalation) - H332 Skin Irritant - Category 2 - H315 Eye Irritant - Category 2 A - H319 Skin sensitizer - Category 1A - H317 Specific target organ toxicity following single exposure - Category 3 (irritation) - H335 Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401
DIHYDROEUGENOL	≥1; <10	2785-87-7 220-499-0	Acute Toxicity - Category 5 (oral) - H303 Skin Irritant - Category 2 - H315 Serious eye damage - Category 1 - H318 Skin sensitizer - Category 1B - H317 Specific target organ toxicity following single exposure - Category 3 (irritation) - H335 Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401
EUGENOL	≥0.1; <1	97-53-0 202-589-1	Acute Toxicity - Category 5 (oral) - H303 Skin Irritant - Category 3 - H316
			15-







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NAPHTHALENE	 ≥0.1; <1	91-20-3 202-049-5	Flammable Solids - Category 2 - H228 Acute Toxicity - Category 4 (oral) - H302 Serious eye damage - Category 1 - H318 Carcinogenicity - Category 2 - H351 Hazardous to the aquatic environment, short-term (acute) - Category 1 - H400
D-LIMONENE	≥0.1; <1	5989-27-5 227-813-5	Hazardous to the aquatic environment, long-term (chronic) - Category 1 - H410  Flammable Liquids - Category 3 - H226  Skin Irritant - Category 2 - H315  Skin sensitizer - Category 1B - H317  Aspiration hazard - Category 1 - H304  Hazardous to the aquatic environment, short-term (acute) - Category 1 - H400  Hazardous to the aquatic environment, long term (chronic) - Category 3 - H412
FURFURYL ALCOHOL	≥0.1; <1	98-00-0 202-626-1	Flammable Liquids - Category 4 - H227 Acute Toxicity - Category 3 (oral) - H301 Acute Toxicity - Category 3 (dermal) - H311 Acute Toxicity - Category 3 (inhalation) - H331 Skin Irritant - Category 2 - H315 Eye Irritant - Category 2 - H319 Carcinogenicity - Category 2 - H351 Specific target organ toxicity following single exposure - Category 3 (irritation) - H335 Specific target organ toxicity following repeated exposure - Category 2 - H373

See the full text of the hazard statements in section 16.

#### 3.2. Mixtures

Not applicable.

## 4. FIRST-AID MEASURES

## 4.1. Description of necessary first aid measures

Ingestion: Rinse mouth with water.

Obtain medical advice.

Keep at rest. Do not induce vomiting.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.

Inhalation: Remove person to fresh air and keep at rest.

Seek immediate medical advice.

Skin contact: Take off immediately all contaminated clothing.

Thoroughly wash affected skin with soap and water. Seek medical attention if symptoms persist.

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

No information available.

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

No information available.

## 5. FIRE-FIGHTING MEASURES

## 5.1. Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

For safety reasons do not use full water jet.

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

Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

## 5.3. Advice for firefighters

High temperatures can lead to high pressures inside closed containers. Avoid inhalation of vapors that are created. Use appropriate respiratory protection. Do not allow spillage of fire to be poured into drains or watercourses. Wear self-contained breathing apparatus and protective clothing.

## **6. ACCIDENTAL RELEASE MEASURES**

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

Evacuate surronding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering. Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.



#### **SAFETY DATA SHEET**

#### Conforms to the requirements of the Global Harmonized System (GHS)

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#### 6.2. Environmental precautions

To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

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

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

Place in covered containers using non-sparking tools and transport outdoors.

Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).

Ventilate area and wash spill site after material pickup is complete.

#### 6.4. Reference to other sections

Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

## 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Do not store or handle this material near food or drinking water. Do not smoke.

Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.

Observe the rules of safety and hygiene at work.

Keep in the original container or an alternative made from a compatible material.

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

Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.

Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).

Keep away from incompatible materials (see section 10).

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

No information available.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### 8.1. Control parameters

Components with occupational exposure limits:

Chemical Name	CAS No	Norm.	8 hr.			15 min.			
Chemical Name	CASINO	Norm.	0 1111	ppm	mg/m³	15	ppm	mg/m³	
DHENOI	108-95-2	ES (España)	VLA-ED	2	8	VLA-EC	4	16	
PHENOL 108-95-2	100-93-2	FR (France)	VME	2	7.8	VLCT	4	15.6	
D-LIMONENE	5989-27-5	ES (España)	VLA-ED	30	168	VLA-EC			
FURFURYL ALCOHOL 98-00-	00.00.0	ES (España)	VLA-ED	5	20	VLA-EC	15	61	
	98-00-0	FR (France)	VME	10	40	VLCT			
NAPHTHALENE	91-20-3	ES (España)	VLA-ED	10	53	VLA-EC	15	80	
NAPHTHALENE	31-20-3	FR (France)	VME	10	50	VLCT			

## 8.2. Exposure controls

Measures should be taken to prevent materials from being splashed into the body.

 $Provide\ adequate\ ventilation, according\ to\ the\ conditions\ of\ use.\ Use\ a\ mechanical\ exhaust\ if\ required.$ 

#### 8.3. Individual protection measures, such as personal protective equipment

Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse. Hand Protection: Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Hand Protection: Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks

involved.

Respiratory Protection: In case of insufficient ventilation, use suitable respiratory equipment.

Environmental exposure controls: Emissions from ventilation or process equipment should be checked to ensure they comply with environmental

protection legislation.

In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to

acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1. Information on basic physical and chemical properties

Appearance: Liquid

Colour: Conforms to standard
Odour: Conforms to standard
Odour theshold: Not determined





# Conforms to the requirements of the Global Harmonized System (GHS)

**CADE OIL, RECTIFIED** 

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Not determined Melting point/freezing point: Not determined Boling point/boiling range (°C): Not determined Flash point: 97°C Evaporation rate: Not determined Flammability: Not determined Lower flammability/Explosive limit: Not determined Upper flammability/Explosive limit: Not determined Vapour pressure: Not determined Vapour Density: Not determined Density: 0,98-1,04 g/mL (20°C) Relative density: 0,98-1,04 (20°C) Water solubility: SOLUBLE IN ETHANOL 96° Solubility in other solvents: SOLUBLE IN ETHANOL Partition coefficient n-octanol/water: Not determined Auto-ignition temperature: Not determined Decomposition temperature: Not determined Viscosity, dynamic: Not determined Not determined Viscosity, kinematic: Explosive properties: Not determined NONE EXPECTED Oxidising properties:

#### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

## 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

## 10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

#### 10.4. Conditions to Avoid

Conditions to Avoid: Excessive heat, flame or other ignition sources.

#### 10.5. Incompatible materials

Avoid contact with strong acids and bases and oxidizing agents.

## 10.6. Hazardous decomposition products

During combustion may form carbon monoxide and unidentified organic compounds.

## 11. TOXICOLOGICAL INFORMATION

	and the second s	
Acute toxicity	May be harmful if swallowed.	
	Experimental/calculated data:	
	LD50(acute/oral) : 2400 mg/kg.	
	The product has not been tested. The indication has been derived from the properties of its indivi	dual components.
Skin corrosion/irritation	Causes skin irritation.	ì
	Experimental/calculated data:	ž,
	Skin irritation : Irritant.	
	The product has not been tested. The indication has been derived from the properties of its indivi-	dual components.
Serious eye damage/irritation	Causes serious eye irritation.	24-6-
	Experimental/calculated data:	2 +
	Eye irritation : Irritant.	
	The product has not been tested. The indication has been derived from the properties of its indivi	dual components.
Respiratory or skin sensitisation	May cause an allergic skin reaction.	8章
	Experimental/calculated data:	
	Skin sensitization : Sensitizing.	<b>3</b> 3
	The product has not been tested. The indication has been derived from the properties of its indivi	dual components.
Germ cell mutagenicity	Suspected of causing genetic defects.	
	Experimental/calculated data:	3
	Germ cell mutagenicity : Positive.	
	The product has not been tested. The indication has been derived from the properties of its indivi	dual components.
Carcinogenicity	Based on the data available, the criteria for classification are not met.	42





#### Conforms to the requirements of the Global Harmonized System (GHS)

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Reproductive toxicity	Based on the data available, the criteria for classification are not met.
STOT-single exposure	Based on the data available, the criteria for classification are not met.
STOT-repeated exposure	Based on the data available, the criteria for classification are not met.
Aspiration hazard	May be fatal if swallowed and enters airways.

## 12. ECOLOGICAL INFORMATION

#### 12.1. Toxicity

#### **Assessment:**

Very toxic to aquatic life with long lasting effects.

#### Experimental/calculated data:

Aquatic toxicity.

The product has not been tested. The indication has been derived from the properties of its individual components.

#### 12.2. Degradability

No information available.

#### 12.3. Bioaccumulative potential

No information available.

## 12.4. Soil mobility

No information available.

#### 12.5. Other adverse effects

See also sections 6, 7, 13 and 15

Do not allow to get into waste water or waterways.

#### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Dispose of in accordance with national and local environmental regulations.

## 14. TRANSPORT INFORMATION

	ADR/RID/ADN	IMDG	IATA-ICAO
14.1. UN Number	UN3082	UN3082	UN3082
14.2. UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA- CEDRENE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA- CEDRENE)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALPHA- CEDRENE)
14.3. Transport Hazard Class(es)	9	9	9
14.4. Packing Group	III	111	III
14.5. Environmental hazards	Yes	Yes	Yes
Additional information			

## 14.6 Special precautions for user

None known

# 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IB@ Code

No information available

## 15. REGULATORY INFORMATION

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

No information available

## 16. OTHER INFORMATION

#### Full text of the R-phrases, hazard statements and precautionary statements mentioned in section 3:

H226 – Flammable liquid and vapour.

H227 - Combustible liquid.

H228 - Flammable solid.

H301 – Toxic if swallowed.

H302 – Harmful if swallowed.

H303 – May be harmful if swallowed. H304 – May be fatal if swallowed and enters airways.

H311 – Toxic in contact with skin.



# SAFETY DATA SHEET Conforms to the requirements of the Global Harmonized System (GHS)

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H312 - Harmful in contact with skin.

H314 – Causes severe skin burns and eye damage.

H315 - Causes skin irritation.

H316 – Causes mild skin irritation.

H317 - May cause an allergic skin reaction.

H318 ~ Causes serious eye damage.

H319 – Causes serious eye irritation.

H331 - Toxic if inhaled.

H332 - Harmful if inhaled.

H335 - May cause respiratory irritation.

H341 – Suspected of causing genetic defects.

H351 - Suspected of causing cancer.

H373 – May cause damage to organs through prolonged or repeated exposure.

H400 – Very toxic to aquatic life.

H401 - Toxic to aquatic life.

H410 – Very toxic to aquatic life with long lasting effects.

H411 – Toxic to aquatic life with long lasting effects.

H412 - Harmful to aquatic life with long lasting effects.

The information included in this safety data sheet is based on the available data at the moment this document is issued. It is meant to be a description of safety requirements for our product and does not stand for a guarantee of its properties. The user is responsible for taking all necessary steps leading to compliance with local rules and legislation.



# **SPECIFICATION SHEET**

**VERSION** 5,00 **VERSION DATE** 29/10/09 **PRINT DATE** 04/02/22

**PRODUCT** CADE OIL, RECTIFIED

**APPLICATIONS** Raw material for industrial use intended for the manufacture of fragrances.

IUPAC NAME CADE OIL, RECTIFIED

**PLANT OF ORIGIN** Juniperus oxycedrus (Fam. Cupressaceae).

PART OF THE PLANT AERIAL PARTS

**SYNONYMS** 

CAS 90046-02-9
CAS 2 8013-10-3
EINECS 289-969-0

**TARIFF NUMBER** 3807001000

**REACH REGISTRATION NO.** 01-2120737761-52

## **SPECIFICATIONS**

ASPECT AT 20°C OPAQUE MOBILE LIQUID
COLOUR YELLOW TO BROWN-RED
ODOUR SMOKY, TARRY, STINKY

**TASTE** 

**DENSITY A 20°C (g / ml)** 0,980 - 1,040

DENSITY 25/25

**REFRACTIVE INDEX nD20** 1,5100 - 1,5350

REFRACTIVE INDEX nD25

**OPTICAL ROTATION (°)** -20,00 / 1,00

**BOILING POINT (°C)** 

MELTING POINT (°C)

**FLASH POINT (°C)** 97,00

ASSAY (% GC)

ACID VALUE (mg KOH/g)

SOLUBILITY
SOLUBLE IN ETHANOL 96°
VAPOUR PRESSURE
OTHER SOLUBILITIES
SOLUBLE IN ETHANOL

OTHER TECHNICAL DATA

## STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 24 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.

WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE. IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS.



# **VEGAN / VEGETARIAN DECLARATION**

Produ	ict: CADE OIL, RECTIFIED
	ereby inform that, to the best of our knowledge, the above-mentioned material is suitable for the ving diets:
X	<b>Vegan</b> Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc) o animal derivatives (dairy, egg and bee products) including additives and processing aids.
	<b>Vegetarian</b> Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc) or dairy and egg products, including additives and processing aids. Bee products (e.g. honey, bees wax) are acceptable.
	Ovo-Lacto Vegetarian  Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc), including additives and processing aids. Dairy, egg and bee products (e.g. honey, bees wax) are acceptable.
'Anim	nal' refers to the entire animal kingdom, i.e. vertebrates and multicellular invertebrates.

The information contained herein is to the best of our knowledge reliable. However, it should be noted that it is the responsibility of the manufacturer of the material containing this ingredient to identify and comply with all relevant legal requirements.

This document is electronically generated and therefore it is not signed.