

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

1.1. Product identifier

Trade code: OE0092
CAS n°: 8007-75-8
EC number: 289-612-9
ISS Code: OE0092 (sito: www.iss.it - factory code 03360640159)
Tariff number: 3301 1920 00
VAT code: IT03360640159

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

• Identified use: flavouring preparation according to Reg.1334/2008, also dedicated to the perfuming of cosmetic products according to Reg. 1223/2009.
Uses advised against: Other

1.3. Details of the supplier of the safety data sheet

Supplier:
INDUSTRIE CHIMICHE MULLER & KOSTER S.p.A.
Via Papa Giovanni XXIII, 12 - 20060 Liscate (MI)
Tel. 00-39-02-9565611
Competent person responsible for the safety data sheet:
regulatory@mullerk.it

1.4. Emergency telephone number

UK National Poisons Emergency number is 0870 600 6266

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP - update in force):

- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
- ⚠ Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.
- ⚠ Warning, Skin Irrit. 2, Causes skin irritation.
- ⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.
- ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
- Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H226 Flammable liquid and vapour.
 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.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
 P331 Do NOT induce vomiting.
 P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.
 P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

List of substances considered dangerous or at risk for health by the EC in accordance with Reg. 1272/2008 / CE of 16 December 2008 and of the EC Reg. n. 1907/2006 / EC (REACH) or non-hazardous substances used in larger quantities or with a certain function in the mixture.

Trade code: OE0092
 Product type: Pure essential oil, 100% PPAI (Physically Processed Agro-Ingredients).
 CAS n°: 8007-75-8
 EC number: 289-612-9
 REACH number: 01-2120117613-65

Qty	Name	Ident. Number	Classification
>= 100%	Citrus Bergamia peel oil expressed	CAS: 8007-75-8 EC: 289-612-9 REACH No.: 01-2120117613-65-xxxx	 2.6/3 Flam. Liq. 3 H226  3.10/1 Asp. Tox. 1 H304  3.2/2 Skin Irrit. 2 H315  3.4.2/1 Skin Sens. 1 H317  3.3/2 Eye Irrit. 2 H319  4.1/C3 Aquatic Chronic 3 H412

3.2. Mixtures

N.A.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

In case of eyes contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Protect uninjured eye.

Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).

In case of Ingestion:

Rinse mouth. Do NOT induce vomiting.

Give nothing to eat or drink.

Immediately call a POISON CENTER or doctor/physician and present the safety-data sheet.

In case of Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

Skin Irritation with possible itch. Erythema

Eye irritation.

Nausea. Vomiting.

Irritation of the respiratory tract. Difficult breathing.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

In case of fire, use a dry powder fire extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers

Contaminated clothing should be changed before entering eating areas.

Do not eat, drink or smoke while working.

Keep away from food, drink and feed.

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

STORAGE:

Keep this product not more than 12 months, in the containers tightly closed and full, at below 20°C. Avoid direct

exposure to sunlight, in a well ventilated, dry place, away from unguarded flame and heat sources.

Always keep in a well ventilated place.

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

None in particular.

INSTRUCTIONS AS REGARDS STORAGE PERMISES:

Dry, cool and well ventilated areas, not exposed to direct sunlight. Recommended temperature below 20 ° C.

Safety electric system.

Cool and adequately ventilated.

7.3. Specific end use(s)

Industrial use only.

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

Citrus Bergamia peel oil expressed - CAS: 8007-75-8

Notes: ECHA

Notes: ECHA

Notes: ECHA

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Safety glasses (EN 166:2001).

Protection for skin:

Toxicological information of the substance:

Citrus Bergamia peel oil expressed - CAS: 8007-75-8

Acute toxicity

Based on available data, the classification criteria are not met

Test: Respiratory Tract Corrosive - Route: Inhalation - Species: Rat = 1520 mg/kg

Test: Skin Corrosive - Species: Rat = 13934 mg/kg

Skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

Serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

Respiratory or skin sensitisation

The product is classified: Skin Sens. 1 H317

Germ cell mutagenicity

No data available for the product

Carcinogenicity

No data available for the product

Reproductive toxicity

No data available for the product

STOT-single exposure

No data available for the product

STOT-repeated exposure

No data available for the product

Aspiration hazard

The product is classified: Asp. Tox. 1 H304

SECTION 12: Ecological information

12.1. Toxicity

Use according to good working practices, avoiding to disperse the product into the environment. No can be disposed of as normal urban waste. Dispose of through specialized companies for waste disposal.

Do not use when plants are in flower: the product is toxic for bees.

Citrus Bergamia peel oil expressed - CAS: 8007-75-8

The product is classified: Aquatic Chronic 3 - H412

12.2. Persistence and degradability

Citrus Bergamia peel oil expressed - CAS: 8007-75-8

Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

Substance SVHC (Substances of Very High Concern)

None

Substance PBT (Persistent, Bioaccumulative and Toxic substance)

None

Substance vPvB (Very Persistent and Very Bioaccumulative substance)

12.6. Other adverse effects

WGK 1: Slightly water polluting substance

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with applicable regulations for waste water. Avoid release to the environment.

CER code:

- 070608 - "other still bottoms and reaction residues"

Properties of wastes of wastes which render them hazardous:

- HP4 - "Irritant" non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation.

- HP5 "Harmful": substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may involve limited health risks.

SECTION 14: Transport information



14.1. UN number

ADR-UN Number: 1169
IATA-UN Number: 1169
IMDG-UN Number: 1169

14.2. UN proper shipping name

ADR-Shipping Name: EXTRACTS, AROMATIC, LIQUID
IATA-Shipping Name: EXTRACTS, AROMATIC, LIQUID
IMDG-Shipping Name: EXTRACTS, AROMATIC, LIQUID

14.3. Transport hazard class(es)

ADR-Class: 3
ADR - Hazard identification number: 30
IATA-Class: 3
IATA-Label: 3
IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III

14.5. Environmental hazards

ADR-Environmental Pollutant: Yes
IMDG-Marine pollutant: Marine Pollutant

14.6. Special precautions for user

ADR-Subsidiary hazards: -
ADR-S.P.: 601
ADR-Transport category (Tunnel restriction code): 3 (D/E)
IATA-Passenger Aircraft: 355
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 366
IATA-S.P.: A3
IATA-ERG: 3L
IMDG-EmS: F-E,
S-D
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) 2015/830

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/699 (ATP 11 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

No restriction.

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the substance.

SECTION 16: Other information

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.

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.

H412 Harmful to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1

Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This document was prepared by a competent person who has received appropriate training.

European Emergency Numbers

European Emergency Number: 112

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The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.