

In accordance with directive 1907/2006/EC,2020/878
Version 3.0 Revision date: 17-09-2024
Trade name: Beeswax yellow, pure, natural

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

1.1 Product identification:

Product name: Beeswax yellow, pure, natural
Registration number (REACH): The substance is not subject to registration under Regulation (EC) No 1907/2006 [REACH].
EC number: 232-383-7
CAS number: 8012-89-3
Alternative name(s): Cera flava

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

Relevant identified uses: Laboratory chemicals
Analytical and laboratory applications
Uses advised against: Do not use for food contact products.
Do not use for private purposes (household).

1.3 Details of the supplier of the safety data sheet

Responsible distributor : ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
E-mail: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency phone number:

For Belgium: Call the **Poison Control Centre (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.
NHS 24 Direct For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Identification of hazards

2.1 Classification of the substance or mixture:

Classification according to Directive (EC) No 1272/2008 and its amendments.

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]:

No specific labelling is required for this substance.

2.3 Other hazards:

Results of PBT and vPvB assessment

The results of the assessment of the substance show that it is not a PBT or vPvB substance.

Endocrine-disrupting properties

Contains no endocrine disruptor (ED) at a concentration of $\geq 0.1\%$.

SECTION 3: Composition and information on ingredients

3.1 Substances:

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CAS No 8012-89-3
EC No 232-383-7

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SECTION 4: First aid measures

4.1 Description of first-aid measures:

General comments:

No special measures are needed.

After inhalation:

Provide fresh air.

If in doubt or if symptoms persist, consult a doctor.

After skin contact:

Brush loose particles off the skin.

No special measures are needed.

Tracking eye contact:

Rinse gently with water for a few minutes.

After ingestion:

Rinse the mouth.

Call a doctor if you feel unwell.

4.2 Main acute and delayed symptoms and effects:

Symptoms and effects are not known to date.

4.3 Indication of immediate medical attention and special treatment required:

None.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing agents

Coordinate fire-fighting measures with those around the fire.

Water, foam, dry extinguishing powder, ABC powder.

Unsuitable extinguishing agents

Full water jet.

5.2 Special hazards arising from the substance or mixture

Flammable.

Hazardous combustion products:

Carbon monoxide (CO), Carbon dioxide (CO₂).

May produce toxic carbon monoxide fumes on combustion.

5.3 Advice for firefighters:

In case of fire and/or explosion do not inhale vapours.

Fight the fire with normal precautions from a reasonable distance.

Wear self-contained breathing apparatus.

SECTION 6: Measures in case of accidental release of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

For non-aid workers:

No special measures are needed.

6.2 Environmental precautions:

Keep away from drains, surface water and groundwater.

Retain and dispose of contaminated wash water.

6.3 Containment and cleaning methods and materials

Advice on how to control a leak:

Covering drains.

Mechanical recording.

Advice on cleaning up spillages:

Mechanical recording.

Other information related to discharges and releases:

Deposit in suitable containers for disposal.

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6.4 Reference to other chapters:

Hazardous combustion products: see section 5.
Personal protective equipment: see section 8.
Incompatible materials: see section 10.
Instructions for disposal: see section 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling of the substance or mixture

No special measures are needed.

Advice on general occupational hygiene:

Keep away from food, drink and animal feed.

7.2 Conditions for safe storage, including incompatible products

Store in a dry place.

Incompatible substances or mixtures:

Note advice for chemical storage.
Incompatible materials: see section 10.

Consideration of other advice:

Specific designs for storage rooms or barrels.
Recommended storage temperature: 15-25°C

7.3 Specific end use:

No information available.

SECTION 8: Exposure controls/personal protection measures

8.1 Control parameters:

National limits :

Occupational exposure limits (workplace exposure limits):

This information is not available.

8.2 Exposure control measures:

Individual protection measures (personal protective equipment)

Eye/face protection:

Use safety glasses with side protection.

Skin protection

Hand protection:

Hand protection is not required.

Respiratory protection:

Usually no personal respiratory protection needed.

Managing environmental exposure:

Keep away from drains, surface water and groundwater.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	solid
Shape:	waxy
Colour:	yellow
Odour:	odourless
Melting point/freezing point:	61-65°C
Boiling point or initial boiling point and boiling range:	undetermined
Flammability:	this material is flammable, but does not easily ignite
Lower and upper explosion limit:	irrelevant (solid)
Flash point:	not applicable
Self-ignition temperature:	undetermined
Decomposition temperature:	irrelevant

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pH (value):	not applicable
Kinematic viscosity:	irrelevant
Solubility(ies)	
Solubility in water:	(practically insoluble)
Partition coefficient	
Partition coefficient n-octanol/water (log value):	this information is not available
Vapour pressure:	undetermined
Density and/or relative density	
Density:	0.96-0.98 g/cm ³ at 20°C
Relative vapour density:	irrelevant (solid)
Particle characteristics:	No data available.
Other safety parameters	
Oxidising properties:	no
<u>9.2 Other information</u>	
Information relating to physical hazard classes:	hazard classes according to GHS (physical hazards): not relevant
Other safety features:	There is no additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity:

The product in its delivered form is not suitable for dust explosion; however, the enrichment of fine dust leads to dust explosion hazard.

10.2 Chemical stability:

The material is stable under normal ambient and expected storage and handling conditions of temperature and pressure.

10.3 Potentially hazardous reactions:

Reacts violently with: strong oxidiser.

10.4 Conditions to avoid

No specific circumstances are known to be avoided.

10.5 Chemically interacting materials:

There is no additional information.

10.6 Hazardous decomposition products:

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Classification according to GHS (1272/2008/EC, CLP)

This substance does not meet the criteria for classification according to Regulation No 1272/2008/EC.

Acute toxicity:

Is not classifiable as acutely toxic.

Skin corrosion/irritation:

Is not classifiable as corrosive/irritating to the skin.

Serious eye damage/eye irritation:

Cannot be classified as severely eye-injurious or irritating to the eyes.

Respiratory or skin sensitisation:

Is not classifiable as inhalant or skin allergenic.

Mutagenicity in gametes:

Is not classifiable as mutagenic in germ cells (mutagenic).

Carcinogenicity:

Is not classifiable as carcinogenic.

Reproductive toxicity:

Is not classifiable as a reproductive toxicant.

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Specific target organ toxicity - single exposure:

Cannot be classified as toxic to specific target organs (single exposure).

Specific target organ toxicity - repeated exposure:

Cannot be classified as toxic to specific target organs (repeated exposure).

Inhalation hazard:

Is not classifiable as dangerous in aspiration.

Symptoms related to physical, chemical and toxicological properties:

If swallowed:

No data are available.

If in eyes:

No data are available.

By inhalation:

No data are available.

If on skin:

No data are available.

Other information:

Health effects are not known.

11.2 Endocrine disrupting properties

Contains no endocrine disruptor (ED) at a concentration of $\geq 0.1\%$.

11.3 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity:

Cannot be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability:

No data are available.

12.3 Bioaccumulation:

No data are available.

12.4 Mobility in soil:

No data are available.

12.5 Results of PBT and vPvB assessment

This substance or mixture does not contain any constituents that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Contains no endocrine disruptor (ED) at a concentration of $\geq 0.1\%$.

12.7 Other adverse effects:

No data are available.

SECTION 13: Disposal instructions

13.1 Waste treatment methods:

Waste treatment methods:

Consult the appropriate local waste disposal expert about waste disposal.

Sewerage-relevant information

Do not empty into the drain.

Waste treatment of containers/packaging

Contaminated packaging can be treated like the substance itself.

Fully emptied containers can be recycled.

Relevant provisions relating to waste

The assignment of waste identification numbers/waste descriptions should be carried out according to the EEC, industry- and process-specific.

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Waste should be separated into categories that can be treated separately by local or national waste management facilities.

Observe relevant national or regional provisions.

Uncontaminated and completely empty containers can be used again.

SECTION 14: Information relating to transport

14.1 UN number

The transport of this substance is not subject to regulation.

14.2 Designation of appropriate cargo according to UN model regulations

The transport of this substance is not subject to regulation.

14.3 Transport hazard class(es)

The transport of this substance is not subject to regulation.

14.4 Packing group

Transportation of this substance is not subject to regulation.

14.5 Environmental hazards

Transportation of this substance is not subject to regulation.

14.6 Special precautions for the user

Transportation of this substance is not subject to regulation.

14.7 Transport in bulk in accordance with Annex II to MARPOL 73/78 and the IBC Code

Not applicable to product as delivered.

14.8 Information for each of the UN regulations

Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN) - Additional information.

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to the IMDG.

International Civil Aviation Organisation (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

SECTION 15: Statutory information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture

Relevant European Union (EU) provisions

Restrictions according to REACH, Annex XVII

not listed

List of substances subject to authorisation (REACH, Annex XIV)/SVHC - candidate list

Not stated.

Seveso directive: 2012/18/EU (Seveso III)

Hazardous substance/dangerous substance categories : not allocated

Deco-Lacquer Directive

VOC content: 0% | 0 g/l

Industrial Emissions Directive (IED)

VOC content: 0 %.

VOC content: 0 g/l

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

not listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

not listed

Water framework directive (WFD)

not listed

Regulation on marketing and use of explosives precursors

not listed

Drug precursor regulations

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not listed

Regulation on ozone-depleting substances (ODS)

not listed

Regulation on export and import of dangerous chemicals (PIC)

not listed

Regulation on persistent organic pollutants (POPs)

not listed

Other information

Directive 94/33/EC on the protection of young people at work. Comply with work restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or breastfeeding mothers.

National inventories

Country	List	Status
AU	AIIC	substance is mentioned
CA	DSL	substance is mentioned
CN	IECSC	substance is mentioned
EU	ECSI	substance is mentioned
JP	CSCL-ENCS	substance is mentioned
KR	KECI	substance is mentioned
NZ	NZIoC	substance is mentioned
PH	PICCS	substance is mentioned
TW	TCSI	substance is mentioned
US	TSCA	substance is listed (ACTIVE)
UN	NCI	substance is mentioned

Legend

AIIC:	Australian Inventory of Industrial Chemicals
CSCL:	ENCS List of Existing and New Chemical Substances (CSCL-ENCS)
DSL:	Domestic Substances List (DSL)
ECSI:	EC inventory (EINECS, ELINCS, NLP)
IECSC:	Inventory of Existing Chemical Substances Produced or Imported in China
KECI:	Korea Existing Chemicals Inventory
NCI:	National Chemical Inventory
NZIoC:	New Zealand Inventory of Chemicals
PICCS:	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
TCSI:	Taiwan Chemical Substance Inventory
TSCA:	Toxic Substance Control Act

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for this product.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Regulatory alignment: Regulation (EC) No 1907/2006 (REACH), amended by 2020/878/EU.

Key documentation sources:

Key literature references and data sources:

Regulation (EC) No 1272/2008 on classification, labelling and packaging (CLP) of substances and mixtures.

Regulation (EC) No 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail or inland waterways (ADR/RID/ADN).

International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for aviation (IATA).

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement);
AICS - Australian Inventory of Chemical Substances; ASTM - American Society for Testing of Materials; bw - body weight; CLP - Regulation on Classification, Labelling and Packaging; Regulation (EC) no. 1272/2008; CMR - carcinogenic, mutagenic or toxic to reproduction; DIN - German standard or German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC number -

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EINECS number; ECx - Concentration associated with x% response; ELx - Loading capacity associated with x% response; EmS - Emergency Programme; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - intermediate inhibitory concentration; ICAO - International Civil Aviation Organisation; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a tested population; LD50 - Lethal dose for 50% of a tested population (median lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships.o.s. - Not Otherwise Specified; NO(A)EC - No detectable (negative) effect on concentration; NO(A)EL - No detectable (negative) effect on level; NOELR - No detectable effect on carrying capacity; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic; PICCS - Philippine Inventory of Chemicals and Substances; (Q)SAR - (Quantitative) Structure-Activity Relationship; REACH - Regulation (EC) no. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulation concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Inventory List; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

More information

Training advice :

Provide appropriate information, instructions and training to users.

The information in this safety data sheet is correct to the best of our knowledge at the date of issue indicated. This information is for guidance on safe handling, use, processing, storage, transportation, disposal and rejection only and should not be considered a guarantee or indication of quality.