

1. Product and company identification*Product information:*

Product name: Beeswax (White and Yellow)
Product code: BIJ-00001 / BIJ-00007 / BIJ-00014 / BIJ-00015

Identification of the supplier:

Gildewerk B.V.
Jan van Geunsweg 10A
NL-2031 BD Haarlem
The Netherlands
Tel. +31 – (0)23 – 532 22 55
Fax +31 – (0)23 – 534 09 65
E-mail werk@gilde.com
www.gilde.com

2. Composition/information on ingredients*Chemical Characterisation:*

Beeswax is a complex mixture of natural (animal) origin, consisting of various long chain non-glyceride esters (majority), fatty acids and paraffinic hydrocarbons.

CAS-No.: 8012-89-3
EINECS No.: 232-383-7
INCI/CTFA-Name: Beeswax (EU : Cera Alba)
FDA: GRAS
EEC: E901
Food Additive INS 901

3. Hazard identification

Beeswax is not a hazardous substance.

4. First Aid Measures*skin contact:*

After skin contact with the molten product cool with cold water. Carefully remove solidified wax from skin. Treat burns. If necessary consult a physician.

ingestion:

Beeswax is non-toxic.

inhalation:

Inhalation of vapour from (over)heated product should be avoided.
Fresh air.

eye contact:

After eye contact with hot, molten wax cool with cold water. Consult a physician.

5. **Fire fighting measures**

Suitable extinguishing media: foam, dry chemical powder, water spray, CO₂

Unsuitable extinguishing media: water jet

In case of fire:

No unusual fire and explosion hazards are known. Combustion products are H₂O and CO₂. In case of oxygen depletion, possible formation of soot and carbonmonoxyde.

6. **Accidental release measures**

Methods of cleaning:

The spilled molten wax solidifies and can be mechanically removed. Beeswax is not a hazardous waste.

7. **Handling and storage**

Information on handling and storage

Normal storage, preferably in cool areas. Do not expose to direct sunlight.

Normal handling of slabs, pastilles or granulate.

Information on Fire- and Explosion protection

The normal rules of fire- and explosion protection apply.

8. **Limits of exposition and personal protection**

General precautions

Wear protective glasses when working with molten wax.

Avoid skin contact with molten product. Use protective gloves when handling molten wax.

Hygienic measures

Respect the usual precautions for working with chemicals.

9. **Physical and chemical properties**

Physical state

Form : Slabs, pastilles, granulate

Colour: white to yellow

Odour: typical odour

Safety-related information

Melting point: ca. 64 °C

Density: ca. 0,95 g/cm³ at 20 °C
ca. 0,82 g/cm³ at 80 °C

Solubility in:

Water: insoluble

pH-value: not applicable

Viscosity: ca 14 mPa_s at 80 °C

Acid number: 17-24 mg KOH/g

Flashpoint: ca 265 °C

10. Stability and Reactivity

Thermal decomposition: > ca.200 °C
No decomposition with normal use.

Dangerous decomposition products
Irritating gases when overheated; avoid overheating.

Dangerous reactions
Avoid contact with oxidizing agents

11. Toxicological information

Acute oral toxicity (LD50)
Not toxic, LD50 over 5000 mg/kg.

Skin irritation: not irritating

Eye irritation: not irritating

12. Ecological information

Information on elimination (persistence and biological degradation):
Biologically degradable without harmful residues.

Further ecological information:

Not soluble in water.

In water treatment it can be mechanically removed. Elimination takes place through adsorption in the silt.

13. Information on disposal

Product

Dispose of in accordance with prevailing regulations. It is not a dangerous waste

Waste name

Manufacturing waste of plastic manufacturing and ~production.

Container disposal

Containers which are not cleaned are to be handled as the product.
Completely emptied containers can be disposed of as normal refuse.

14. Transport information

Landtransport

ADR *Not a dangerous substance*

GGVS *Not a dangerous substance*

RID *Not a dangerous substance*

GGVE *Not a dangerous substance*

Identification of material

Risk number *Substance number*

Inland waterways

ADNR *Not a dangerous substance*

Identification of material

Sea transport

IMDG/GGVSee

EmS

Not a dangerous substance

MFAG

Technical name

Air transport

ICAO/IATA-DGR

Not a dangerous substance

Technical name

Other information

Post

Admitted

15. Regulatory

Registration according to GefStoffV/IEG

no registration obligation

Wassergefährdungsklasse (Germany) : WGK 1

16. Other information

The aforementioned information is based on our current knowledge.

It is meant to describe our products according to safety directions and are not meant to ensure certain properties.