

1. Identification of the substance and company

Identification of the substance or preparation

Product name Composite Wax T119
 Product code DPW-00119
 Use Paraffin wax / base component for candle making

Identification of the supplier

Company Gildewerk B.V.
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2. Composition/information on ingredients

Chemical characterisation:

Solid saturated hydrocarbons,
 molecular formula C_nH_{2n+2}

INCI-name: paraffin

CAS number: 8002-74-2

EINECS number: 232-315-6

Hazardous ingredients: None

3. Hazards identification

EEC-labelling: None

Potential dangers to health and environment:

Solid: None

Liquid: May cause burns as a result of the temperatures

Powder/vapour: May be irritating to the respiratory system

4. First-aid measures

Solid: None

Liquid: Same action to be taken as in the case of burns

Inhalation:

Powder/vapour: Take affected person to fresh air

Eye contact:

Liquid: Seek medical attention immediately

Skin contact:

Liquid: After contact with molten product remove soaked clothing immediately and cool the skin quickly with cold water. Consult a doctor if necessary. Do not pull solidified product from skin.

When swallowed:

Liquid: Same action to be taken as in the case of burns.

5. Fire-fighting measures

Suitable extinguishing media:

Carbon dioxide, foam, dry powder, sand

Extinguishing media that must not be used for safety reasons: Water

Special exposure hazards arising from the substance, its combustion products or from resulting gases:

In the case of fire, combustion gases are formed: Carbon monoxide (CO), carbon dioxide (CO₂), smoke

Special protective equipment for fire fighting:

Use self-contained breathing apparatus

Additional information:

Cool endangered containers externally with water

Fire class according to DIN-EN 2: **B**

6. Accidental release measures

Personal precautions:

Liquid: Remove persons to safety

Environmental precautions:

Solid/liquid: Do not allow to enter drains, surface water or groundwater

Methods for cleaning up:

Liquid/solid: Allow to solidify / remove mechanically

Additional information:

Liquid: In case of the leakage of a large amount inform the responsible authorities

7. Handling and storage

Handling

Hints on safe handling:

No special measures necessary if used correctly.

Hints for protection against fire and explosion:

Product mist/dust can form an explosive mixture when in contact with air

Storage

Requirements for storage rooms and containers:

Solid: Store under cool, dry and light protected conditions

Liquid: Store in heatable tanks/containers.

Prolonged storage 20°C above the congealing point may interfere with product quality

Additional instructions for technical installations:

Liquid: Install containers in such a way, that filling containers is carried out without aerosol formation; earth containers well, prevent ignition sources.

Additional information:

Liquid: Product is not allowed to contain water at temperatures above 100°C (delay in boiling).

VCI storage class: 11

8. Exposure controls / personal protection

Ingredients with occupational exposure limits which should be monitored:

1. Germany/Switzerland/Austria:

There is no MAK-value for paraffin wax

2. Germany:

For aerosols and fine dust MAK-value of 6 mg/m³ has to be adhered to.

3. USA

TLV-value for paraffin vapours: 2 mg/m³

Personal protective equipment:

Hand protection:

Liquid: Heat resistant gloves

Eye protection:

Liquid: Safety goggles

Body protection:

Liquid: Protective clothing

Additional information:

When exceeding Maximum Work Place Concentration (MAK-value) for fine dust use appropriate breathing apparatus

9. Physical and chemical properties

Physical state: At room temperature solid

Colour: White/whitish

Odour: Practically odourless

pH-value: Aqueous extract: Neutral

Congealing range (DIN-ISO 2207): > 40°C

Flash point (DIN-ISO 2592): > 150°C

Lower explosion limit:

Paraffin dust/powder: > 15 g/m³

Upper explosion limit:

Paraffin dust/powder: > 1000 g/m³

Vapour pressure at 20°C: < 0,01 hPa

Density at 20°C (DIN 51 757): About 900 kg/m³

Solubility at 20°C

- in water: Practically insoluble

- in chlorinated hydrocarbons: Soluble

- in benzene: Limited solubility

Viscosity at 100°C (DIN 51 562): 2,5 - 10 mm²/s

10. Stability / reactivity

Conditions to avoid:

Under normal conditions no hazardous reactions likely

Material to avoid: Strong oxidising agents

Decomposition products:

In case of incomplete combustion and/or thermal decomposition carbon monoxide, carbon dioxide and smoke may be formed.

11. Toxicological information

Acute oral toxicity: Rat LD₅₀, > 5000 mg/kg

Acute dermal toxicity: Rabbit LD₅₀, > 2000 mg/kg

Irritant effect on rabbits' skin: Non-irritant

Irritant effect on rabbits' eye: Non-irritant

Sensitization: Non-sensitizing

Carcinogenicity: No indications of carcinogenic effects are apparent from long-term trials.

12. Ecological information

Paraffin is insoluble in water. It can be removed mechanically in a purification plant.

Mobility: In solid state the product cannot be dispersed into the environment. In liquid state, when discharged into the environment, the product spreads out over the surface and solidifies.

Information on elimination (persistence and

degradability): The product is inherently biodegradable according to OECD 301 B.

Fish toxicity: Non-toxic (DIN 38 412-L 31)

13. Disposal considerations

Product: After re-conditioning the product may be used again or thermally employed

GERMANY:

Can be disposed off after consultation with the responsible authorities according to the following waste disposal codes (European Waste Catalogue):

<u>EWC-Code</u>	<u>Description</u>
05 01 06	Sludge from plant, equipment and maintenance operations
07 01 00	Wastes not otherwise specified

Packaging:

Pallets: Can be returned to supplier via the haulier/ forwarding agent

Cartons: Cartons with the "Resy" symbol may be returned to the associated used paper collecting point

Paper bags: Paper bags containing the "Repa-Sack"-symbol and "Chemical Classification 4" may be returned to the associated used paper collecting point

Big-Bags: Re-usable packaging can be returned to supplier

Drums: Drums can be returned to supplier

14. Transport information

(ADR/RID; BinSchV/ADNR/ADN; IMDG/GGVSee; ICAO-TI und IATA-DGR):

Products like this one are not hazardous goods at temperatures < 100°C.

In case of transport of liquids with temperatures of ≥100°C hazardous goods class 9, III

UN: 3257 applies

IMDG-Code: 9027-1

Powder/pastilles transport: At temperatures above 25 °C cold transport is recommended

15. Regulatory information

The product does not require a hazard warning label in accordance with the EEC directives

National regulations

Germany:

Classification according to VbF: Not applicable

TA Luft:

Threshold limit value TA Luft: 150 mg/m³

Mass flow: 3 kg/h or more

Substance class III, amendment E

Water hazard class (WGK): Not water endangering substance according to Annex I VwVwS.

(KBwS classification, identification no. 268)

StörfallVO: Not applicable for paraffin wax

Observe principles of the trade association

16. Other information

Literature:

Ullmann's Encyclopedia of Industrial Chemistry, 5th Edition, Vol. A 28, Chapter „Waxes“, Verlag Chemie GmbH, 1996.
Shubik et al., Toxicol. Appl. Pharmacol., 4, Suppl. 1-62, 1962

This safety data sheet describes a product group. It contains only safety related information. For specific data see product data sheet.

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In case any questions should arise please call the number given in point 1.