

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Item number/ Trade name **60-1107**  
Version/ Issue date: **5 / 11/12/2020**

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

### 1.1 Product identifier

Item number/ Trade name **60-1107**  
Color for candles

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

General use **Coloration of hydrocarbons, waxes, oils and fats**

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

Company/undertaking identification

Name **Bekro Chemie GmbH**  
Street/POB-No.: 1 **Industriestrasse 104**  
City **D-66802 Ueberherrn**  
Phone # **+49 6836 9198 0**  
Telefax # **+49 6836 9198 10**  
E-mail **info@bekro.de**

### 1.4 Emergency telephone number

Name **Bekro Chemie GmbH (Mo - Thu 8.00 - 16.30, Fr 8.00 - 14.30)**  
Phone # **+49 6836 9198 0**

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to EC regulation 1272/2008 (CLP)

Eye Dam. 1; H318 Causes serious eye damage.

### 2.2 Label elements



Danger

Nature of Hazard **GHS05 Corrosion**  
Hazard statements (CLP) **H318 Causes serious eye damage.**  
Precautionary statements (CLP) **P280 Wear protective gloves/protective clothing/eye protection/face protection.**  
**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**  
Hazard-determining component(s) of labelling  
**bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate**

#### Special provisions concerning the labelling of certain mixtures

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### 2.3 Other hazards

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## SECTION 3: Composition / information on ingredients

### 3.1 Substances

Mixture of waxes, colouring agents and additives

### 3.2 Mixtures

#### Hazardous ingredients

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bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate: 3 % - 9,99 %  
CAS-Number: 52829-07-9  
EINECS / ELINCS / NLP: 258-207-9  
REACH registration No.: 01-2119537297-32  
Classification according to EC regulation 1272/2008 (CLP):  
Aquatic Acute 1 (M1); H400 / Aquatic Chronic 2; H411 / Eye Dam. 1; H318

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|                         |  |
|-------------------------|--|
| General information     | If you feel unwell, seek medical advice.   |
| In case of inhalation   | Move victim to fresh air. Seek medical aid in case of troubles.  |
| In case of skin contact | Thoroughly wash skin with soap and water.  |
| After eye contact       | Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if irritation persists. |
| After swallowing        | Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Seek medical treatment in case of troubles.                         |

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

Symptoms ---

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

Information to physician ---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

|   |   |
|---|---|
| Suitable extinguishing media                                  | Carbon dioxide , water spray jet , extinguishing powder , foam. |
| Extinguishing media which must not be used for safety reasons | Full water jet  |

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

Possible combustion products Nitrogen oxides (NOx), carbon monoxide and carbon dioxide

### 5.3 Advice for firefighters

Special protective equipment for firefighters Wear self-contained breathing apparatus.

Additional information Do not allow water used to extinguish fire to enter drains, ground or waterways. Do not allow fire water to penetrate into surface or ground water. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

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## SECTION 6: Accidental release measures

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

Avoid dust formation. Do not breathe dust. With the formation of dust, use a dust mask. Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes, and clothing.

### **6.2 environmental precautions**

Do not allow to enter into ground-water, surface water or drains. Discharge into the environment must be avoided.

### **6.3 Methods and material for containment and cleaning up**

Take up spilled product with dustpan and brush. Avoid causing any dust. Industrial vacuum cleaner recommended to avoid causing dust. Clean soiled areas with a conventional household cleaner.

### **6.4 Reference to other sections**

Personal protection equipment: see section 8, Disposal: see section 13

## SECTION 7: Handling and storage

### **7.1 Precautions for safe handling**

Advices on safe handling

Avoid contact with eyes and skin. When using do not eat, drink, smoke, sniff. Make sure there is sufficient air exchange and / or that working rooms are air suctioned. Avoid dust formation.

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

Requirements for storerooms and containers

Keep away from sources of ignition and heat. Store in a cool dry place. Store in a well-ventilated place. Keep container tightly closed. Protect from direct sunlight.

Storage class

11

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

General use

Coloration of hydrocarbons, waxes, oils and fats

## SECTION 8: Exposure controls/personal protection

### **8.1 Control parameters**

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### **8.2 Exposure controls**

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Provide good ventilation and/or an exhaust system in the work area. Wear a dust mask, in case of excessive dust.

Hand protection

Wear suitable gloves.- according to DIN-/EN-Norms EN 420, EN 388 and EN 374 Part 1,3

Eye protection

Goggles according to EN 166.

Body protection

Wear suitable protective clothing and shoes.

General protection and hygiene measures

Keep away from food and drinks. When using do not eat, drink or smoke. Wash hands before breaks and after work. Wash contaminated clothing prior to re-use.

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## SECTION 9: Physical and chemical properties

### 9.1 information on basic physical and chemical properties

Form solid  
Colour violet  
Odour characteristic

Important health, safety and environmental information

|   |  |       |     |
|---|--|-------|-----|
| Initial boiling point and boiling range   | 130 °C                                     |       |     |
| Melting point/freezing point              | 60 °C                                      | 60 °C |     |
| Flash point/flash point range             | 150 °C                                     |       |     |
| Ignition temperature                      | > 200 °C                                   |       |     |
| Solubility                                | Product is difficult to dissolve in water. |       |     |
| Vapour pressure                           | not determined                             | ---   | --- |
| Density                                   | not determined                             | ---   | --- |
| Viscosity                                 | ---  | ---   | --- |
| Explosion limits                          | ---  | ---   |     |
| Flow time 4mm (DIN)                       | not determined                             |       |     |
| PH  |  |       | --- |
| Partition coefficient:<br>n-octanol/water | ---  |       | --- |

### 9.2 Other information

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## SECTION 10: Stability and reactivity

**10.1 Reactivity** Non-reactive

**10.2 Chemical stability** Product is stable under normal storage conditions.

**10.3 Possibility of hazardous reactions** ---

**10.4 Conditions to avoid** Avoid dust formation. Avoid dust deposits. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

**10.5 Incompatible materials** strong acids and bases, strong oxidizing agents

**10.6 Hazardous decomposition products** Hazardous vapours may form during fires. In case of fire may be liberated: Nitrogen oxides (NO<sub>x</sub>), carbon monoxide and carbon dioxide

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### General remarks

No toxicological tests were conducted with the mixture.

#### Toxicological tests: components

##### bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate

|   |       |                         |                      |
|---|-------|-------------------------|----------------------|
| Eye irritation:<br><i>Rabbit</i>        | -     | irreversible damage     | OECD 405             |
| Skin sensitisation<br><i>guinea pig</i> | -     | not sensitising         | OECD 406             |
| Mutagenicity:                           | -     | not a mutagen           | OECD 471 (Ames test) |
| Acute oral toxicity<br><i>Rat</i>       | LD50> | 2000.0 mg/kg            |                      |
| Acute dermal toxicity<br><i>Rat</i>     | LD50> | 2000.0 mg/kg            |                      |
| Acute inhalation toxicity<br><i>Rat</i> | LC50> | 960.0 mg/m <sup>3</sup> |                      |

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## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity ---

#### **Ecotoxicological effects: components**

##### **bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate**

acute Daphnia toxicity EC50= 17.0 mg/L OECD 202

*Daphnia magna (Big water flea)*

acute fish toxicity LC50= 13.0 mg/L OECD 203

*Oncorhynchus mykiss*

Bacteria toxicity IC50> 100.0 mg/L OECD 209

*Refer to manufacturer/supplier for information on*

algae toxicity EC50= 1.9 mg/L

*Scenedesmus subspicatus*

### 12.2 Persistence and degradability

Evaluation text ---

Degree of elimination ---

Analytical method ---

### 12.3 Bioaccumulative potential

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### 12.4 Mobility in soil

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### 12.5 Results of PBT and vPvB assessment

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### 12.6 Other adverse effects

The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### **Product**

Recommendation Dispose of waste according to applicable legislation. Discharge into the environment must be avoided.

#### **Contaminated packaging**

Recommendation Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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## SECTION 14: Transport information

### 14.1 UN number

ADR, IATA, IMDG ---

### 14.2 UN proper shipping name

Product designation: ADR/RID ---  
Proper shipping name: IATA-DGR ---  
Proper shipping name: IMDG ---

### 14.3 Transport hazard class(es)

Class ADR/RID ---  
Code: ADR/RID ---  
Class IATA-DGR ---  
Subrisk IATA-DGR ---  
Class IMDG ---  
Subrisk IMDG ---

### 14.4 Packing group

ADR, IATA, IMDG No packaging for dangerous goods required

### 14.5 Environmental hazards

Marine Pollutant -  
IMDG ---  
EmS ---  
Stowage and segregation ---

### 14.6 Special precautions for user

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

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### **Additional information**

EQ ---  
Limited quantities ---  
Special provisions ---  
Tunnel restriction ---  
Transport category ---  
Kemmler-number ---

No dangerous good in sense of these transport regulations.

## SECTION 15: Regulatory information

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

#### National regulations

##### Germany

Storage class 11  
Water Hazard Class 2  
--- ---  
Information on working limitations No special measures are required.

### 15.2 Chemical Safety Assessment

Chemical Safety Assessment No substance safety evaluation was conducted with the mixture/ substance.

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## SECTION 16: Other information

### Hazard statements (CLP)

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

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Reason of change

General revision

### Abbreviations

--- no data, not determined or not applicable

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (Verordnung (EG) Nr. 1907/2006 )

OECD Organisation for Economic Co-operation and Development

LD50 Median lethal dose

LC50 Median lethal concentration

EC50 Median effective dose

IC50 Median inhibitory concentration

VCI Verband der chemischen Industrie

CAS Chemical Abstract Service

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

NLP No Longer Polymers

CLP Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging

EG Europäische Gemeinschaft

WGK Wassergefährdungsklasse (according to AwSV, Appendix 1 (5.2))

AGW Arbeitsplatzgrenzwert

ADR Accord Européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID Règlement concernant le transport international ferroviaire des marchandises dangereuses (International Rule for Transport of Dangerous Substances by Railway)

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

MARPOL International Convention for the Prevention of Pollution From Ships (MARine POLLution)

EmS Emergency Schedules