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

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

### **1.1 Product identifier**

Color for candles Item number/ Trade name 40-2437

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

Bekro Chemie GmbH (Mo - Thu 8.00 - 16.30, Fr 8.00 - 14.30) Name 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) Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

## 2.2 Label elements

Nature of Hazard Hazard statements (CLP) H412 Harmful to aquatic life with long lasting effects. Precautionary statements (CLP) P273 Avoid release to the environment. P501 Dispose of contents/container to hazardous or special waste collection point. Hazard-determining component(s) of labelling

## 2.3 Other hazards

## **SECTION 3: Composition / information on ingredients**

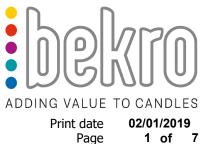
### 3.1 Substances

Mixture of waxes, colouring agents and additives

## **3.2 Mixtures**

## **Hazardous ingredients**

bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate: 3 % - 9,99 % CAS-Number: 52829-07-9 EINECS / ELINCS / NLP: 258-207-9



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REACH registration No.: 01-2119537297-32 Classification according to EC regulation 1272/2008 (CLP): Aquatic Chronic 2; H411 / Eye Irrit. 2; H319

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. Move victim to fresh air. Seek medical aid in case of troubles. In case of inhalation 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. Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Seek After swallowing 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 fog , extinguishing powder , foam.
Extinguishing media which must not be used for safety reasons	Full water jet
5.2 Special hazards arising from th	<u>e substance or mixture</u>
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. C 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<br/>and containersKeep away from sources of ignition and heat. Store in a cool dry place. Store in<br/>a well-ventilated place. Keep container tightly closed. Protect against direct<br/>sunlight.Storage class117.3 Specific end use(s)<br/>General useColoration of hydrocarbons, waxes, oils and fats

### **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

Daraffin wayoo and Hydrocarbon wayoo

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USA OSHA TWA (EC)		2,000	mg/m³
<b><u>B.2 Exposure controls</u></b>			
Respiratory protection	With correct and proper use, and under norm is not required. Provide good ventilation and/ area. Wear a dust mask, in case of excessive	or an exhaus	
Hand protection	Wear suitable gloves according to DIN-/EN- 1,3	Norms EN 42	0, EN 388 and EN 374 Part
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 hands before breaks and after work. Wash co		



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## **SECTION 9: Physical and chemical properties**

## 9.1 information on basic physical and chemical properties

Form	solid		
Colour	brow	n	
Odour	chara	acteristic	
Important health, safety and environme	ntal info	rmation	
Initial boiling point and boiling range	>	130 °C	
Melting point/freezing point	>	60 °C	6

india boining point and boining range	-	100 0			
Melting point/freezing point	>	60 °C	60 °C		
Flash point/flash point range	>	150 °C			
Ignition temperature	>	200 °C			
Solubility	Produ	uct is difficult	to dissolve in	water.	
Vapour pressure	not d	etermined	-		
Density	not d	etermined	-		
Viscosity					
Explosion limits					
Flow time 4mm (DIN)	not d	etermined			
PH value					
Partition coefficient:					
n-octanol/water					

### 9.2 Other information

-	-	-

SECTION 10: Stability and reactivity	
10.1 Reactivity	Non-reactive
10.1 Reactivity	Noirieduive
10.2 Chemical stability	Product is stable under normal storage conditions.
10.3 Possibility of hazardous reactions	
<u>10.4 Conditions to avoid</u>	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 (NOx), carbon monoxide and carbon dioxide

## **SECTION 11: Toxicological information**

## **11.1 Information on toxicological effects**

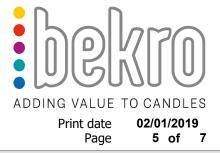
#### **General remarks**

No toxicological tests were conducted with the mixture.

## Toxicological tests: components

bis(2,2,6,6-tetramethyl-4-p	piperidyl) sebacate		
Eye irritation:	-	irritant	OECD 405
Rabbit Skin sensitisation guinea pig	-	not sensitising	OECD 406
Mutagenicity:	-	not a mutagen	OECD 471 (Ames test)
Acute oral toxicity Rat	LD50>	2000.0 mg/kg	
Acute dermal toxicity	LD50>	2000.0 mg/kg	
Rat Acute inhalation toxicity Rat	LC50>	960.0 mg/m <sup>3</sup>	

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**SECTION 12: Ecological information** 

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<b>12.1 Toxicity</b> Aquatic toxicity				
Ecotoxicological effects: co	omponents			
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 inform	ation 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**

-

### 12.4 Mobility in soil

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## 12.5 Results of PBT and vPvB assessment

### 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

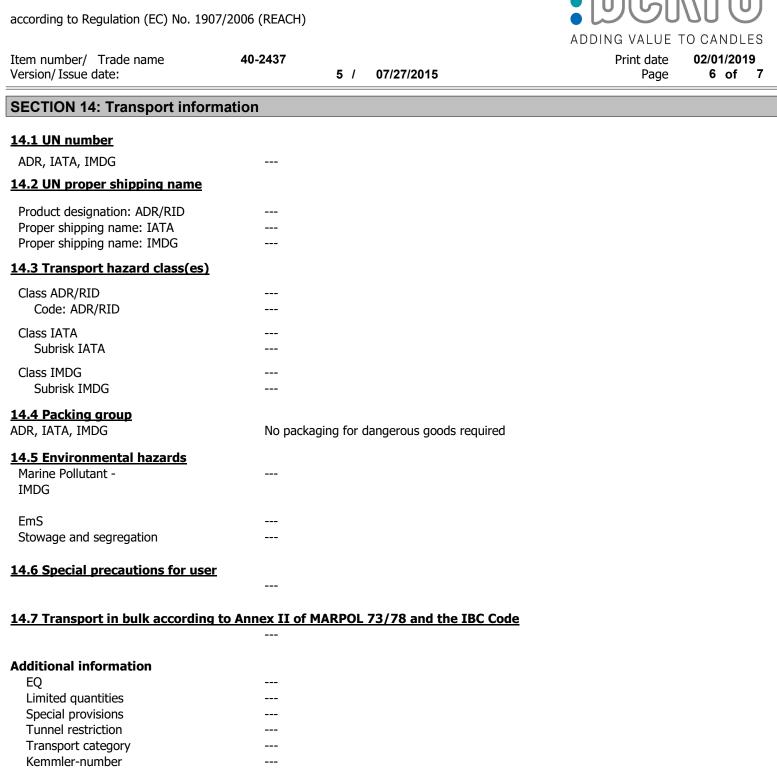
Product Recommendation

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.



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

uired.

### **15.2 Chemical Safety Assessment**

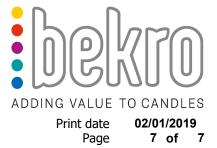
Chemical Safety Assessment

No substance safety evaluation was conducted with the mixture/ substance.

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## **SECTION 16: Other information**

## Hazard statements (CLP)

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

---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 (nach VwVwS)
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 machandises dangereuses (International Rule for Transport of Dangerous Substances by Railway)
IATA	International Air Transport Association
IMDG	International Martime Dangerous Goods
MARPOL	International Convention for the Prevention of Pollution From Ships (MARine POLlution)
EmS	Emergency Schedules

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.