

# SAFETY DATA SHEET

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



Item number/ Trade name **40-2437**  
Version/ Issue date:

**10 / 03/28/2022**

Print date **09/16/2022**  
Page **1 of 9**

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

### 1.1 Product identifier

Item number/ Trade name **40-2437**  
UFI **S1JX-44WT-Q10S-6UH5**

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 & Co. KG**  
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)

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

Eye Dam. 1; H318 Causes serious eye damage.

Repr. 2; H361f Suspected of damaging fertility.

### 2.2 Label elements



Danger

Nature of Hazard **GHS05 Corrosion**  
**GHS08 Health hazard**

Hazard statements (CLP) **H318 Causes serious eye damage.**  
**H361f Suspected of damaging fertility.**  
**H412 Harmful to aquatic life with long lasting effects.**

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.**  
**P405 Store locked up.**  
**P501 Dispose of contents/container to hazardous waste.**  
**P308+P313 IF exposed or concerned: Get medical advice/attention.**  
**P273 Avoid release to the environment.**

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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Item number/ Trade name	<b>40-2437</b>	Print date	<b>09/16/2022</b>
Version/ Issue date:	<b>10 / 03/28/2022</b>	Page	<b>2 of 9</b>

## 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**

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 / Repr. 2; H361f

Full text of 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 ---

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Item number/ Trade name	<b>40-2437</b>	Print date	<b>09/16/2022</b>
Version/ Issue date:	<b>10 / 03/28/2022</b>	Page	<b>3 of 9</b>

## 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
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### **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.

## 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

# SAFETY DATA SHEET

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

Item number/ Trade name	<b>40-2437</b>	Print date	<b>09/16/2022</b>
Version/ Issue date:	<b>10 / 03/28/2022</b>	Page	<b>4 of 9</b>

## 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.
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### **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
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## 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.

# SAFETY DATA SHEET

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

Item number/ Trade name	<b>40-2437</b>	Print date	<b>09/16/2022</b>
Version/ Issue date:	<b>10 / 03/28/2022</b>	Page	<b>5 of 9</b>

## SECTION 9: Physical and chemical properties

### 9.1 information on basic physical and chemical properties

Form	solid		
Colour	brown		
Odour	characteristic		
Important health, safety and environmental information			
Initial boiling point and boiling range	> 130 °C		
Melting point/freezing point	> 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 and/or relative density	not determined	---	---
Bulk density	---	---	
Dynamic viscosity	---	---	---
Kinematic viscosity	0 m <sup>2</sup> /s	---	---
Lower explosion limit	---		
Upper explosion level	---		
Flow time 4mm (DIN)	not determined		
PH			---
Partition coefficient: n-octanol/water	---		---

### 9.2 Other information

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## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	Non-reactive
<b>10.2 Chemical stability</b>	Product is stable under normal storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	---
<b>10.4 Conditions to avoid</b>	Avoid dust formation. Avoid dust deposits. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.
<b>10.5 Incompatible materials</b>	strong acids and bases, strong oxidizing agents
<b>10.6 Hazardous decomposition products</b>	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:	-	irreversible damage	OECD 405
<i>Rabbit</i>			
Skin sensitisation	-	not sensitising	OECD 406
<i>guinea pig</i>			
Mutagenicity:	-	not a mutagen	OECD 471 (Ames test)

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

Item number/ Trade name	<b>40-2437</b>		Print date	<b>09/16/2022</b>
Version/ Issue date:		<b>10 / 03/28/2022</b>	Page	<b>6 of 9</b>

Reproductive toxicity <i>Rat</i>	-	Suspected of damaging fer	OECD 443
Acute oral toxicity <i>Rat</i>	LD50=	3700.0 mg/kg	
Acute dermal toxicity <i>Rat</i>	LD50>	3170.0 mg/kg	
Acute inhalation toxicity <i>Rat</i>	LC50>	mg/L	

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity ---

#### Ecotoxicological effects: components

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

acute Daphnia toxicity <i>Daphnia magna (Big water flea)</i>	NOEC (48h) =	4.0	mg/L
acute Daphnia toxicity <i>Daphnia magna (Big water flea)</i>	EC50 (48h) =	8.58	mg/L
acute fish toxicity <i>Lepomis macrochirus (Bluegill)</i>	LC50 (96h) =	4.4	mg/L
Bacteria toxicity <i>Pseudokirchneriella subcapitata</i>	IC50 (72h) =	0.705	mg/L

### 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.

#### Package

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

Item number/ Trade name **40-2437**  
Version/ Issue date:

**10 / 03/28/2022**

Print date **09/16/2022**  
Page **7 of 9**

## 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.

# SAFETY DATA SHEET

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

Item number/ Trade name **40-2437**  
Version/ Issue date:

10 / 03/28/2022

Print date **09/16/2022**  
Page **8 of 9**

## 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

Incident regulation ---

Information on working limitations Observe employment restrictions for young people. Observe employment restrictions for expectant or nursing mothers.

### 15.2 Chemical Safety Assessment

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



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

Item number/ Trade name **40-2437**  
Version/ Issue date:

10 / 03/28/2022

Print date **09/16/2022**  
Page **9 of 9**

## SECTION 16: Other information

### Hazard statements (CLP)

H318 Causes serious eye damage.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
H361f Suspected of damaging fertility.

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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