

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878



Item number/ Trade name  
Version/ Issue date:

13904-401-2

11 / 11/11/2025

Print date 12/04/2025  
Page 1 of 10

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

### 1.1 Product identifier

|                        |                                                |
|------------------------|------------------------------------------------|
| Item number/Trade name | fragrance composition<br>13904-401-2           |
| UFI                    | Alpine Sweet Strawberry<br>XFAS-AMH9-VU1Q-UPRH |

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

|             |                                                          |
|-------------|----------------------------------------------------------|
| General use | Perfumes, fragrances, Formulation of fragranced products |
|-------------|----------------------------------------------------------|

### 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 & Co. KG (Mo - Do 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 Acute 1; H400 Very toxic to aquatic life.  
Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.  
Skin Sens. 1; H317 May cause an allergic skin reaction.

### 2.2 Label elements



Signal word

Warning

Hazard pictograms

GHS07 Exclamation mark  
GHS09 Environment

Hazard statements

H317 May cause an allergic skin reaction.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

Safety precautions

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P273 Avoid release to the environment.  
P391 Collect spillage.

Hazard components for labelling

Ethyl 2,3-epoxy-3-phenylbutyrate(77-83-8)

Special provisions concerning the labelling of certain mixtures

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878



Item number/ Trade name  
Version/ Issue date:

**13904-401-2**

**11 / 11/11/2025**

Print date **12/04/2025**  
Page **2 of 10**

## **2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher. The substance/mixture does not contain any ingredients with endocrine disrupting properties that are listed under REACH Article 57(f) (or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605) at levels of 0.1% or more.

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

### **3.1 Substances**

---

### **3.2 Mixtures**

#### **Hazardous ingredients**

Benzyl benzoate: 25 % - 49,99 % CAS-Number: 120-51-4 EU index number: 607-085-00-9 EC-number: 204-402-9  
REACH registration No.: 01-2119976371-33-XXXX Classification according to EC regulation 1272/2008 (CLP):  
Acute Tox. 4; H302 / Aquatic Acute 1; H400 (M = 1) / Aquatic Chronic 2; H411 ATE (oral): 2000 mg/kg ATE  
(dermal): 4000 mg/kg

Ethyl 2,3-epoxy-3-phenylbutyrate: 10 % - 24,99 % CAS-Number: 77-83-8 EC-number: 201-061-8 REACH  
registration No.: 01-2119967770-28 Classification according to EC regulation 1272/2008 (CLP): Aquatic Chronic  
2; H411 / Skin Sens. 1B; H317

Galaxolide: 1 % - 2,49 % CAS-Number: 1222-05-5 EU index number: 603-212-00-7 EC-number: 214-946-9 REACH  
registration No.: 01-2119488227-29-XXXX Classification according to EC regulation 1272/2008 (CLP): Aquatic  
Acute 1; H400 (M = 1) / Aquatic Chronic 1; H410 (M = 1)

Undecan-4-olide: 1 % - 2,49 % CAS-Number: 104-67-6 EC-number: 203-225-4 REACH registration No.:  
01-2119959333-34-XXXX Classification according to EC regulation 1272/2008 (CLP): Aquatic Chronic 3; H412

---  
---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878



Item number/ Trade name  
Version/ Issue date:

13904-401-2

11 / 11/11/2025

Print date 12/04/2025  
Page 3 of 10

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|                         |                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General information     | Remove affected person from the danger area and lay down. Do not leave affected person unattended. Show this safety data sheet to the doctor in attendance.                                     |
| In case of inhalation   | If unconscious but breathing normally, place in recovery position and seek medical advice. Seek medical aid in case of troubles.                                                                |
| In case of skin contact | Thoroughly clean the contaminated area with water.                                                                                                                                              |
| After eye contact       | Remove contact lenses, if any. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently seek the immediate attention of an ophthalmologist. |
| After swallowing        | Keep airway open. Never give anything by mouth to an unconscious person. Seek medical treatment in case of troubles.                                                                            |

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

|          |                   |
|----------|-------------------|
| Symptoms | No data available |
|----------|-------------------|

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

|                          |                   |
|--------------------------|-------------------|
| Information to physician | No data available |
|--------------------------|-------------------|

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

|                                                               |                                                                                |
|---------------------------------------------------------------|--------------------------------------------------------------------------------|
| Suitable extinguishing media                                  | dry extinguishing powder, Alcohol resistant foam , carbon dioxide , water mist |
| 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 | May form dangerous gases and vapours in case of fire. |
|------------------------------|-------------------------------------------------------|

### 5.3 Advice for firefighters

|                                               |                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special protective equipment for firefighters | Wear a self-contained breathing apparatus and chemical protective clothing.                                                                                                               |
| Additional information                        | Do not allow water used to extinguish fire to enter drains, ground or waterways. 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

---

### 6.2 environmental precautions

Do not allow to penetrate into soil, waterbodies or drains. If necessary, notify appropriate authorities. Discharge into the environment must be avoided.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.

### 6.4 Reference to other sections

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878



Item number/ Trade name  
Version/ Issue date:

13904-401-2

11 / 11/11/2025

Print date 12/04/2025  
Page 4 of 10

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling

Avoid exposure - obtain special instructions before use. Do not breathe vapours. Avoid contact with skin, eyes, and clothing. When using do not eat, drink, smoke, sniff. Ensure all waste water is collected and treated via a waste water treatment plant. Personal protection equipment: see section 8

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

Requirements for storerooms and containers

Keep container tightly closed in a cool, well-ventilated place. Protect from light.

Storage class

10

### 7.3 Specific end use(s)

General use

Perfumes, fragrances, Formulation of fragranced products

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

---

### 8.2 Exposure controls

Respiratory protection

Avoid exceeding WEL threshold levels. Respiratory protection must be worn whenever the WEL levels have been exceeded. Provide good ventilation and/or an exhaust system in the work area.

Hand protection

breakthrough time Short-term, accidental skin contact: Breakthrough time 10 min  
In case of prolonged or frequently repeated skin contact: If direct skin contact with the chemical is expected during work, then gloves conforming to EN 16523-1/ASTM F739 (or equivalent local standard) with a breakthrough time at least equal to the contact time must be worn. Breakthrough time: Observe glove manufacturer's instructions concerning penetrability and breakthrough time.  
Use safety glasses conforming to EN 166/ANSI Z87.1 or equivalent local standards.

Eye protection

Body protection

Wear suitable protective clothing. When handling larger quantities: face protection, rubber boots and rubber apron.

General protection and hygiene measures

Avoid contact with skin, eyes, and clothing. After work, wash hands and face. When using do not eat, drink or smoke. Wash contaminated clothing prior to re-use.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878

Item number/ Trade name  
Version/ Issue date:

13904-401-2

11 / 11/11/2025

Print date 12/04/2025  
Page 5 of 10

## SECTION 9: Physical and chemical properties

### 9.1 information on basic physical and chemical properties

Form liquid  
Colour yellowish  
Odour characteristic

Important health, safety and environmental information

|                                         | min                     | max    |       |     |
|-----------------------------------------|-------------------------|--------|-------|-----|
| Melting point/freezing point            | < 20 °C                 | ---    |       |     |
| Initial boiling point and boiling range | > 38 °C                 | ---    |       |     |
| Flammability                            |                         |        | ---   |     |
| Explosion limits                        | ---                     | ---    |       |     |
| Flash point/flash point range           | > 107 °C c.c.           | 107 °C |       |     |
| Ignition temperature                    | ---                     | ---    |       |     |
| PH                                      | ---                     | ---    | ---   | --- |
| Viscosity                               | ---                     | ---    | ---   | --- |
| Solubility                              | ---                     | ---    | ---   | --- |
| Partition coefficient: n-octanol/water  | ---                     | ---    |       | --- |
| Vapour pressure                         | 0 hPa                   | ---    | 20 °C | --- |
| Density and/or relative density         | 0,961 g/cm <sup>3</sup> | ---    | 20 °C | --- |
| Relative vapour density                 | ---                     | ---    |       | --- |
| Bulk density                            | ---                     | ---    | ---   |     |
| Flow time 4mm (DIN)                     | ---                     | ---    |       |     |
| Water solubility                        | ---                     | ---    |       |     |

### 9.2 Other information

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

No data available

### 10.3 Possibility of hazardous reactions

Strong oxidizing agents

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### General remarks

No data available

#### Toxicological tests: components

##### Benzyl benzoate

|      |      |        |       |   |
|------|------|--------|-------|---|
| oral | LD50 | 2000.0 | mg/kg | - |
|------|------|--------|-------|---|

Rat

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878



Item number/ Trade name  
Version/ Issue date:

13904-401-2

11 / 11/11/2025

Print date 12/04/2025  
Page 6 of 10

|        |      |        |       |   |
|--------|------|--------|-------|---|
| dermal | LD50 | 4000.0 | mg/kg | - |
|--------|------|--------|-------|---|

*Rabbit*

## **Toxicological tests: components**

### **Ethyl 2,3-epoxy-3-phenylbutyrate**

|      |      |        |       |   |
|------|------|--------|-------|---|
| oral | LD50 | 5000.0 | mg/kg | - |
|------|------|--------|-------|---|

*Rat*

|        |      |        |       |   |
|--------|------|--------|-------|---|
| dermal | LD50 | 5000.0 | mg/kg | - |
|--------|------|--------|-------|---|

*Rabbit*

## **Toxicological tests: components**

### **Galaxolide**

|      |      |        |       |   |
|------|------|--------|-------|---|
| oral | LD50 | 4640.0 | mg/kg | - |
|------|------|--------|-------|---|

*Rat*

|        |      |        |       |   |
|--------|------|--------|-------|---|
| dermal | LD50 | 6500.0 | mg/kg | - |
|--------|------|--------|-------|---|

*Rabbit*

## **Toxicological tests: components**

### **Undecan-4-olide**

|      |      |         |       |   |
|------|------|---------|-------|---|
| oral | LD50 | 18500.0 | mg/kg | - |
|------|------|---------|-------|---|

*Rat*

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Sensibilisation: Respiratory system

May cause an allergic skin reaction.

Sensibilisation: Skin

May cause an allergic skin reaction.

Aspiration hazard

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

## **Carcinogenic, germ cell mutagen and reproduction effects (CLP)**

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

## **11.2 Information on other hazards**

### **Endocrine disrupting properties**

The substance/mixture does not contain any ingredients with endocrine disrupting properties that are listed under REACH Article 57(f) (or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605) at levels of 0.1% or more.

Further details

No data available

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

Aquatic toxicity

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878



Item number/ Trade name  
Version/ Issue date:

13904-401-2

11 / 11/11/2025

Print date 12/04/2025  
Page 7 of 10

## **12.2 Persistence and degradability**

|                       |                   |
|-----------------------|-------------------|
| Evaluation text       | No data available |
| Degree of elimination | No data available |
| Analytical method     | No data available |

## **12.3 Bioaccumulative potential**

No data available

## **12.4 Mobility in soil**

No data available

## **12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher.

## **12.6 Endocrine disrupting properties**

The substance/mixture does not contain any ingredients with endocrine disrupting properties that are listed under REACH Article 57(f) (or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605) at levels of 0.1% or more.

## **12.7 Other adverse effects**

An environmental hazard cannot be ruled out in the event of improper handling or disposal. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Product**

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

#### **Package**

|                |                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------|
| Recommendation | Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. |
|----------------|------------------------------------------------------------------------------------------------------------------|

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878



Item number/ Trade name  
Version/ Issue date:

13904-401-2

11 / 11/11/2025

Print date 12/04/2025  
Page 8 of 10

## SECTION 14: Transport information

### 14.1 UN number

|                 |        |
|-----------------|--------|
| UN-No. ADR/RID  | UN3082 |
| UN-No. IMDG     | UN3082 |
| UN-No. IATA-DGR | UN3082 |

### 14.2 UN proper shipping name

#### Product designation: ADR/RID

Environmentally hazardous substance, liquid n.o.s. (EXTRACTS, LIQUID) ---

#### Proper shipping name: IATA-DGR

Environmentally hazardous substance, liquid, n.o.s. (EXTRACTS, LIQUID) EXTRACTS, LIQUID

#### Proper shipping name: IMDG

Environmentally hazardous substance, liquid, n.o.s. (EXTRACTS, LIQUID) EXTRACTS, LIQUID ---

### 14.3 Transport hazard class(es)

|                             |     |
|-----------------------------|-----|
| Class ADR/RID               | 9   |
| Classification code ADR/RID | M6  |
| Class IATA-DGR              | 9   |
| Subrisk IATA-DGR            | --- |
| Class IMDG                  | 9   |
| Subrisk IMDG                | --- |

### 14.4 Packing group

|                         |     |
|-------------------------|-----|
| Packaging group ADR/RID | III |
| Packing Group IMDG      | III |
| Packing Group IATA-DGR  | III |

### 14.5 Environmental hazards

|                         |                    |
|-------------------------|--------------------|
| Marine Pollutant - IMDG | ---                |
| EmS                     | F-A, S-F           |
| Stowage and segregation | Stowage Category A |

### 14.6 Special precautions for user

|                  |                   |
|------------------|-------------------|
| Hazard label ADR | 9 + Fish and Tree |
| ---              |                   |

### 14.7 Maritime transport in bulk according to IMO instruments

### Additional information

|                              |                                                                              |
|------------------------------|------------------------------------------------------------------------------|
| EQ                           | E1                                                                           |
| Limited quantities           | 5L                                                                           |
| Special Provisions           | ADR: 274, 335, 375, 601<br>IMDG: 274, 335, 969, 375<br>IATA: A97, A158, A197 |
| Tunnel restriction           | (-)                                                                          |
| Transport category           | 3                                                                            |
| Hazard identification number | 90                                                                           |
| ---                          |                                                                              |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878



Item number/ Trade name  
Version/ Issue date:

13904-401-2

11 / 11/11/2025

Print date 12/04/2025  
Page 9 of 10

## SECTION 15: Regulatory information

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

#### National regulations

##### Europe

---

##### Germany

|                                        |                                                                          |
|----------------------------------------|--------------------------------------------------------------------------|
| Storage class                          | 10                                                                       |
| Water Hazard Class                     | 2                                                                        |
| Major Accident Ordinance (12. BImSchV) | E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1 |
| Information on working limitations     | Observe employment restrictions for young people.                        |

### 15.2 Chemical Safety Assessment

Chemical Safety Assessment ---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 2020/878



Item number/ Trade name  
Version/ Issue date:

13904-401-2

11 / 11/11/2025

Print date 12/04/2025  
Page 10 of 10

## SECTION 16: Other information

### Hazard statements (CLP)

- H302 Harmful if swallowed.
- H317 May cause an allergic skin reaction.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

---

Reason of change

---

### 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     | European Union                                                                                                                                                                  |
| WGK    | water hazard class (according to AwSV, Appendix 1 (5.2))                                                                                                                        |
| AGW    | Occupational Exposure Limit                                                                                                                                                     |
| 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 (Regulation on the international carriage of dangerous goods by rail)                  |
| 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                                                                                                                                                             |
| PBT    | persistent, bioaccumulative and toxic                                                                                                                                           |
| vPvB   | very persistent and very bioaccumulative                                                                                                                                        |