

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 15.05.2024

Version number 5 (replaces version 4)

Revision: 15.05.2024

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

- **1.1 Product identifier**
- **Trade name** EXPRESS COAT EC 60 KOMP. A
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Coating
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MUREXIN GmbH  
Franz v. Furtenbachstr. 1  
A-2700 Wiener Neustadt  
Tel.: +43 (0)2622/27401
- **Informing department:** chemikalieninfo@murexin.com
- **1.4 Emergency telephone number:**  
UK National poisons Emergency number.: +44 (0) 870 600 6266

#### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Skin Sens. 1      H317 May cause an allergic skin reaction.

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

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate  
Asparaginsäureester  
trimethoxyvinylsilane
- **Hazard statements**  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**

|                |  |
|----------------|--|
| P101           | If medical advice is needed, have product container or label at hand.  |
| P102           | Keep out of reach of children.   |
| P103           | Read carefully and follow all instructions.  |
| P273           | Avoid release to the environment.  |
| P280           | Wear protective gloves.  |
| P302+P352      | IF ON SKIN: Wash with plenty of water.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.   |
| P501           | Dispose of contents/container in accordance with local/regional/national/international regulations.                              |

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture consisting of the following components with harmless additives.

- **Dangerous components:**

|   |   |         |
|---|---|---------|
| CAS: 136210-30-5<br>ELINCS: 429-270-1<br>Reg.nr.: 01-0000017556-64-0000 | tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyI)bis-DL-aspartate<br>-----<br>⚠ Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 | 50-100% |
| CAS: 152637-10-0  | Asparaginsäureester<br>-----<br>⚠ Skin Sens. 1, H317<br>Aquatic Chronic 3, H412   | 25-50%  |
| CAS: 2768-02-7<br>EINECS: 220-449-8<br>Reg.nr.: 01-2119513215-52-xxxx   | trimethoxyvinylsilane<br>-----<br>⚠ Flam. Liq. 3, H226<br>⚠ Acute Tox. 4, H332; Skin Sens. 1B, H317                           | 2.5-5%  |

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation**  
In case of unconsciousness bring patient into stable side position for transport.  
Seek medical treatment in case of complaints.
- **After skin contact**  
Instantly wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing**  
In case of persistent symptoms consult doctor.  
Rinse out mouth and then drink plenty of water.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
Use fire fighting measures that suit the environment.  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.

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#### SECTION 6: Accidental release measures

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

*Wear protective clothing.*

##### · 6.2 Environmental precautions:

*Do not allow product to reach sewage system or water bodies.*

*Inform respective authorities in case product reaches water or sewage system.*

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

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

*Dispose of contaminated material as waste according to item 13.*

##### · 6.4 Reference to other sections

*See Section 7 for information on safe handling*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for information on disposal.*

#### SECTION 7: Handling and storage

##### · 7.1 Precautions for safe handling

*No special precautions necessary if used correctly.*

*Ensure good ventilation/exhaustion at the workplace.*

##### · Information about protection against explosions and fires: No special measures required.

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

###### · Storage

###### · Requirements to be met by storerooms and containers: Store only in the original container.

###### · Information about storage in one common storage facility:

*Store away from foodstuffs.*

*Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.*

###### · Further information about storage conditions: Keep container tightly sealed.

###### · Storage class 10

##### · 7.3 Specific end use(s) No further relevant information available.

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

##### · 8.1 Control parameters

##### · Components with critical values that require monitoring at the workplace:

*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*

##### · Additional information: The lists that were valid during the compilation were used as basis.

##### · 8.2 Exposure controls

###### · Appropriate engineering controls No further data; see section 7.

###### · Individual protection measures, such as personal protective equipment

###### · General protective and hygienic measures

*The usual precautionary measures should be adhered to in handling the chemicals.*

*Keep away from foodstuffs, beverages and food.*

*Instantly remove any soiled and impregnated garments.*

*Wash hands during breaks and at the end of the work.*

###### · Breathing equipment:

*Use breathing protection in case of insufficient ventilation.*

*Filter A.*

*Filter P3.*

###### · Hand protection Protective gloves.

###### · Material of gloves

*Nitrile rubber, NBR*

*Butyl rubber, BR*

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- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Safety glasses
- **Body protection:** Protective work clothing.

#### SECTION 9: Physical and chemical properties

##### · 9.1 Information on basic physical and chemical properties

- **General Information**
- **Physical state** Fluid
- **Colour:** According to product specification
- **Smell:** Characteristic
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** Not determined
- **Boiling point or initial boiling point and boiling range** 123 °C (2768-02-7 trimethoxyvinylsilane)
- **Flammability** The mixture is capable of catching fire or being set on fire.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** >100 °C
- **Auto-ignition temperature:** 350 °C (152637-10-0 Asparaginsäureester)
- **pH** Mixture is non-soluble (in water).
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **dynamic at 20 °C:** 300-500 mPas
- **Solubility**
- **Water:** not miscible
- **Partition coefficient n-octanol/water (log value)** Not determined.
- **Steam pressure at 20 °C:** 2 hPa (152637-10-0 Asparaginsäureester)
- **Density and/or relative density**
- **Density at 20 °C** 1.1 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density** Not determined.

##### · 9.2 Other information

- **Appearance:**
- **Form:** Fluid
- **Important information on protection of health and environment, and on safety.**
- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive.
- **Solvent content:**
- **Solids content:** 0.0 %
- **Change in condition**
- **Evaporation rate** Not determined.

##### · Information with regard to physical hazard classes

- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void

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|  |      |
|--|------|
| · <b>Flammable liquids</b>   | Void |
| · <b>Flammable solids</b>  | Void |
| · <b>Self-reactive substances and mixtures</b>                                     | Void |
| · <b>Pyrophoric liquids</b>  | Void |
| · <b>Pyrophoric solids</b>   | Void |
| · <b>Self-heating substances and mixtures</b>                                      | Void |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
| · <b>Oxidising liquids</b>   | Void |
| · <b>Oxidising solids</b>  | Void |
| · <b>Organic peroxides</b>   | Void |
| · <b>Corrosive to metals</b>   | Void |
| · <b>Desensitised explosives</b>   | Void |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** None

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

#### 136210-30-5 tetraethyl-N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate

Oral LD50 &gt;2,000 mg/kg (rat)

Dermal LD50 &gt;2,000 mg/kg (rat)

#### 2768-02-7 trimethoxyvinylsilane

Oral LD50 7,130 mg/kg (rat)

Dermal LD50 3,260 mg/kg (rabbit)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

- **Additional toxicological information:**

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) -**

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

128-37-0 Butylated hydroxytoluene

List II

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

**136210-30-5 tetraethyl-N,N'-(methylenedicyclohexane-4,1-diy)bis-DL-aspartate**

|           |                                       |
|-----------|---------------------------------------|
| ErC50     | 113 mg/l (Desmodesmus subspicatus)    |
| EC 50/48h | 88.6 mg/l (G)                         |
| LC50      | 66 mg/l (Lepomis macrochirus (Fisch)) |

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

#### 12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

#### 12.6 Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

#### 12.7 Other adverse effects

Remark: Harmful to fish

#### Additional ecological information:

##### General notes:

Harmful to aquatic organisms

Water hazard class (Germany) 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

##### Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleaning agent: Water, if necessary with cleaning agent.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADR, ADN, IMDG, IATA Void

#### 14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void

#### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class Void

#### 14.4 Packing group

ADR, IMDG, IATA Void

#### 14.5 Environmental hazards:

Marine pollutant: No

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- |   |                 |
|---|-----------------|
| <b>· 14.6 Special precautions for user</b>                            | Not applicable. |
| <b>· 14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable. |
| <b>· UN "Model Regulation":</b>                                       | Void            |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**
- **Regulated explosives precursors**  
None of the ingredients is listed.
- **Regulated poisons**  
None of the ingredients is listed.
- **Reportable explosives precursors**  
None of the ingredients is listed.
- **Reportable poisons**  
None of the ingredients is listed.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**  
H226 Flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
H332 Harmful if inhaled.  
H412 Harmful to aquatic life with long lasting effects.
- **Contact:** chemikalieninfo@murexin.com (+43 02622/27401)
- **Abbreviations and acronyms:**  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 3: Flammable liquids – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1B: Skin sensitisation – Category 1B  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- **\* Data compared to the previous version altered.**