1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** WALLOXEN KA 100
- **Article number:** 511007
- **CAS Number:** 61791-14-8
- **EINECS Number:** Polymer
- **Registration number**
  The product is a polymer and therefore exempted from registration obligation under REACH.
- **Relevant identified uses of the substance or mixture and uses advised against**
  - **Application of the substance / the mixture** Emulsifier
  - **Uses advised against** No further relevant information available.

2 Hazards identification

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

  - **GHS05 corrosion**
    - Eye Dam. 1 H318 Causes serious eye damage.

  - **GHS07**
    - Acute Tox. 4 H302 Harmful if swallowed.
    - Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**
    - The substance is classified and labelled according to the CLP regulation.
  - **Hazard pictograms**
    - **GHS05**
    - **GHS07**

- **Signal word** Danger
- **(Hazard-determining) components of labelling:** 61791-14-8 Polyoxymethylene-cocoamine
Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: WALLOXEN KA 100

- **Hazard statements**
  - H302 Harmful if swallowed.
  - H318 Causes serious eye damage.
  - H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
  - P273 Avoid release to the environment.
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.
  - P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P310 Immediately call a POISON CENTER/doctor.
- Additional information: Avoid exposure - obtain special instructions before use.
- Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

### 3 Composition/information on ingredients

- Chemical characterisation: Substances
- CAS No. Description
  - 61791-14-8 Polyoxyethylene-cocoamine
- Identification number(s)
- EC number: Polymer
- Additional information: Polymers are exempted from registration obligation under REACH.

### 4 First aid measures

- Description of first aid measures
  - After inhalation:
    - In case of unconsciousness place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Immediately wash with water and soap and rinse thoroughly.
  - After eye contact:
    - Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing:
    - Seek medical treatment.
    - Rinse mouth.
    - Do not induce vomiting.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed
    - No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed
    - Risk of aspiration.

### 5 Firefighting measures

- Extinguishing media
  - Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
  - Special hazards arising from the substance or mixture
    - In case of fire, the following can be released:
      - Organic decomposition products
      - Carbon oxides (COx)
      - Nitrogen oxides (NOx)
Trade name: WALLOXEN KA 100

6 Accidental release measures

- **Advice for firefighters**
- **Protective equipment:** Use suitable breathing apparatus if necessary.

- **Personal precautions, protective equipment and emergency procedures**
  Prevent formation of aerosols. Ensure adequate ventilation.
  Particular danger of slipping on leaked/spilled product.
  Wear protective clothing.
  Avoid contact with the eyes and skin.

- **Environmental precautions:**
  Do not allow to enter sewers/ surface or ground water.
  Inform respective authorities in case of seepage into water course or sewage system.

- **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.

- **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 disposal information.

7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**
    - Avoid exposure - obtain special instructions before use.
    - Ensure good ventilation/exhaustion at the workplace.
    - Prevent formation of aerosols.
    - When spraying, wear suitable respiratory equipment.
    - Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
    - Use suitable respiratory protective device in case of insufficient ventilation.
    - Open and handle receptacle with care.
    - Wear protective clothing.
    - Do not eat, drink or smoke in working area.

- **Information about fire - and explosion protection:** No special measures required.

- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
    - **Storage class:** Combustible liquid.
    - **Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

- **Additional information:** The lists valid during the making were used as basis.
Safety data sheet
according to 1907/2006/EC, Article 31

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Trade name: WALLOXEN KA 100

- Exposure controls
  - Personal protective equipment:
  - General protective and hygienic measures:
    Do not inhale gases / fumes / aerosols.
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
    Avoid contact with the eyes and skin.
    Do not eat, drink, smoke or sniff while working.
    The recommended specification of the protective clothing articles is to be chosen according to the duration of the exposition, the concentration and the amount of the dangerous substances at the working environment. Seek advice of the suppliers.
  - Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
  - Protection of hands:

![Protective gloves]

- Material of gloves
  - e.g. Nitrile rubber, NBR
  - Recommended thickness of the material: ≥ 0.5 mm
- Penetration time of glove material
  - Minimum breakthrough time: > 120 min (Permeation according to EN 374 Part 3: level 4)
- Eye protection:

![Tightly sealed goggles (EN 166)]

- Body protection: Protective work clothing

9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
  - Appearance:
    - Form: Fluid
    - Colour: Yellow - Brown
  - Odour:
    - Characteristic
  - Odour threshold:
    - Not determined.
- pH-value (10 g/l) at 20 °C:
  - ca. 9.0 - 11.0
- Change in condition
  - Melting point/freezing point:
    - ca. -15 °C
  - Initial boiling point and boiling range:
    - Undetermined.
- Flash point:
  - > 200 °C (DIN 51376)
- Flammability (solid, gas):
  - Not applicable.
- Decomposition temperature:
  - Not determined.
- Auto-ignition temperature:
  - Not determined.
- Explosive properties:
  - Product does not present an explosion hazard.
- Explosion limits:
  - Lower:
    - Not determined.

(Contd. on page 5)
Trade name: WALLOXEN KA 100

Upper:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapour pressure at 20 °C:</td>
<td>ca. 0.1 hPa</td>
</tr>
<tr>
<td>Density:</td>
<td>ca. 0.1 g/cm³(50°C)</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Solubility in / Miscibility with water</td>
<td>Soluble.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Product is an emulsifier.</td>
</tr>
<tr>
<td>Viscosity:</td>
<td></td>
</tr>
<tr>
<td>Dynamic:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic:</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

10 Stability and reactivity

- Reactivity: Product is stable under normal ambient conditions.
- Chemical stability
- Thermal decomposition / conditions to be avoided:
  No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity
  Harmful if swallowed.
- LD/LC50 values relevant for classification:
  According to CESIO-recommendation 03/2017.
  Oral LD50 <2000 mg/kg (--)
Trade name: WALLOXEN KA 100

- Aspiration hazard no data

12 Ecological information

- Toxicity
- Aquatic toxicity:
The classification was carried out according to CESIO-recommandation 03/2017

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50</td>
<td>&gt;1-≤10 mg/l (algae) (read across / CESIO 10/2015)</td>
</tr>
<tr>
<td>LC50</td>
<td>&gt;1-≤10 mg/l (daphne) (read across / CESIO 10/2015)</td>
</tr>
<tr>
<td>Chronic NOEC / ECx</td>
<td>&gt;0.1-1 mg/l (algae) (read across / CESIO 10/2015)</td>
</tr>
</tbody>
</table>

- Persistence and degradability
  According to CESIO-recommendation 10/2015
  readily biodegradable

- Behaviour in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Ecotoxicological effects:
  - Remark: Very toxic for fish

- Additional ecological information:
  - General notes:
    Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water
    Do not allow product to reach ground water, water course or sewage system.
    Danger to drinking water if even small quantities leak into the ground.
    Also poisonous for fish and plankton in water bodies.
    Very toxic for aquatic organisms
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation
  Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- Waste disposal key:
  Determine wastes code in compliance with local waste management company according the European Waste Catalogue (EWC).

- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

- UN-Number
  ADR, ADN, IMDG, IATA Void

- UN proper shipping name
  ADR, ADN, IMDG, IATA Void
Trade name: WALLOXEN KA 100

- Transport hazard class(es)
  - ADR, ADN, IMDG, IATA
    - Class: Void

- Packing group
  - ADR, IMDG, IATA: Void

- Environmental hazards: Not applicable.

- Special precautions for user: Not applicable.

- Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

- UN "Model Regulation": Void

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

- Department issuing SDS: Safety and Health group
- Contact: Dr. Astrid Kawka, Dr. Dieter Kawka

Abbreviations and acronyms:
ADR: Accord européen sur le transport 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
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
Acute Tox. 4: Acute toxicity – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

* Data compared to the previous version altered.