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

- **Product identifier**
- **Trade name:** WALLOXEN TR 60
- **Article number:** 521139
- **CAS Number:** 78330-21-9
- **EINECS Number:** Polymer
- **Registration number** The product is a polymer and therefore exempted from 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.

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]

- **Signal word** Danger
- **Hazard statements**
  - 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.
  - **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
3 Composition/information on ingredients

- Chemical characterisation: Substances
- CAS No. Description
  78330-21-9 fatty alcohol polyglycolether
- Identification number(s)
  - EC number: Polymer
- Additional information: Polymers are exempted from REACH-regulation.

4 First aid measures

- Description of first aid measures
  - After inhalation: 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:
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture
  In case of fire, the following can be released:
  Organic decomposition products
  Carbon oxides (COx)
- Advice for firefighters
- Protective equipment: Use suitable breathing apparatus if necessary.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  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.
- 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.
7 Handling and storage

- Handling:
  - Precautions for safe handling
    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.

- Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      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.
      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: Not required.
    - 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)
Trade name: WALLOXEN TR 60

- **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: Colourless
    - Clear - (light) turbidly
  - **Odour:** Weak, characteristic
  - **Odour threshold:** Not determined.
  - **pH-value (10 g/l) at 20 °C:** 6.0-7.5
  - **Change in condition**
    - Melting point/freezing point: <20 °C
    - Initial boiling point and boiling range: Undetermined.
  - **Flash point:** Undetermined.
  - **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.
    - Upper: Not determined.
  - **Vapour pressure:** Not determined.
  - **Density:** 0.99 - 1.00 g/cm³(60°C)
  - **Relative density** Not determined.
  - **Vapour density** Not determined.
  - **Evaporation rate** Not determined.
  - **Solubility in / Miscibility with water:** Partly soluble.
  - **Partition coefficient: n-octanol/water:** Product is an emulsifier.
  - **Viscosity:**
    - Dynamic at 60 °C: ca. 50 mPas
    - Kinematic: Not determined.
  - **Other information** No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** Product is stable under normal ambient conditions.
46.0.7

- **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:**
  Under normal conditions no hazardous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
  Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
  According to CESIO-recommendation 03/2017.
  - Oral | LD50 >2,000 mg/kg (--)  

- **Primary irritant effect:**
  - **Skin corrosion/irritation**
    According to CESIO-recommendation 03/2017.
    - No irritating effect.
  - **Serious eye damage/irritation**
    According to CESIO-recommendation 03/2017.
    - Causes serious eye damage.
  - **Respiratory or skin sensitisation**
    No sensitising effects known.
  - **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
    - **Germ cell mutagenicity**
      No data
    - **Carcinogenicity**
      No data
    - **Reproductive toxicity**
      No data
    - **STOT-single exposure**
      No data
    - **STOT-repeated exposure**
      No data
    - **Aspiration hazard**
      No data

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**
  The classification was carried out according to CESIO-recommendation 03/2017
- **Persistence and degradability**
  These surfactants comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
  - Readily biodegradable
  - Degradation rate >60% Time (d) 28 days Method OECD 301D
- **Other information:**
  This statement was deduced from products with a similar structure or composition.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential**
  No further relevant information available.
- **Mobility in soil**
  No further relevant information available.
- **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.
- **Results of PBT and vPvB assessment**
- **PBT:**
  Not applicable.

(Contd. on page 6)
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

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

- Packing group
  ADR, IMDG, IATA
  Void

- Environmental hazards:
  Marine pollutant:
  No

- 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

(Contd. on page 7)
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
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.