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

· Product identifier
· Trade name: WALLOXEN SP 200 PF
· Article number: 541148
· CAS Number: 68920-66-1
· 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 No further relevant information available.
· Application of the substance / the mixture Emulsifier

2 Hazards identification

· Classification of the substance or mixture
· Classification according to Regulation (EC) No 1272/2008 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 Void
· Signal word Void
· Hazard-determining components of labelling: 68920-66-1 fatty alcohol polyglycolether
· Hazard statements H412 Harmful to aquatic life with long lasting effects.
· Precautionary statements P273 Avoid release to the environment.
· 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 68920-66-1 fatty alcohol polyglycolether
· Identification number(s) EC number: Polymer
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. If symptoms persist, 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)

- **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 eyes or skin.

- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.

- **Methods and material for containment and cleaning up:**
  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**
    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.
Trade name: WALLOXEN SP 200 PF

- 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: Keep container tightly sealed.
- Storage class: Combustible solid
- 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 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: 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)
  - 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: waxy
  - Colour: White
    Yellowish
  - Odour: Characteristic
Trade name: WALLOXEN SP 200 PF

- Odour threshold: Not determined.
- pH-value (10 g/l) at 20 °C: ca. 6.0-7.5
- Change in condition
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.
- Flash point: > 250 °C
- Flammability (solid, gaseous): Product is not flammable.
- Ignition temperature:
  - Decomposition temperature: Not determined.
  - Self-igniting: Not determined.
  - Danger of explosion: Product does not present an explosion hazard.
- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.
- Vapour pressure at 20 °C: ca. 0.1 hPa
- Density: ca. 1.0 g/cm³ (50 °C)
  - Relative density: Not determined.
  - Vapour density: Not applicable.
  - Evaporation rate: Not applicable.
- Solubility in / Miscibility with water: clearly soluble
- Partition coefficient (n-octanol/water): Product is an emulsifier.
- Viscosity:
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.
- Other information: No further relevant information available.

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: Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:
  - Oral LD50 >2000 mg/kg (rat)
43. Primary irritant effect:
   - Skin corrosion/irritation
     According to CESIO-recommendation 07/2016 (Human health class.)
     No irritating effect.
   - Serious eye damage/irritation
     According to CESIO-recommendation 07/2016 (Human health class.)
     No irritating effect.
   - Respiratory or skin sensitisation
     No sensitising effects known.
   - CMR effects (carcinogenicity, 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:
    According to CESIO-recommendation 10/2015 (Env. class.)
    Acute >1 - 10 mg/l
    Chronic NOEC / EC<sub>x</sub> 0.33 mg/l (algae)

- 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.
  Degradation rate 100%  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 1 (German Regulation) (Assessment by list): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - 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).
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(Contd. of page 5)

- 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: Void
  - 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
  No further relevant information available.
- 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
  Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- * Data compared to the previous version altered.