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

- **Product identifier**
- **Trade name:** WALLOXEN TA 20
  - **Article number:** 521035
  - **CAS Number:** 61791-26-2
  - **NLP Number:** 500-153-8
- **Registration number**
  The transition period according REACH regulation, article 23 is still not expired.
- **Relevant identified uses of the substance or mixture and uses advised against**
  No further relevant information available.
- **Application of the substance / the mixture** Emulsifier
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Wall Chemie GmbH
    Am Selder 25
    D-47906 KEMPEN
    DEUTSCHLAND
    Tel.: +49 2152 8999 0
    Fax: +49 2152 516751
    E-Mail: sicherheit@wall-chemie.com
  - **Further information obtainable from:** Safety and health group
  - **Emergency telephone number:**
    This number is serviced during office hours: +49 2152 8999 0
    Giftinformaticszentrum Nord 24h-Auskunft: +49 551 19240

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
  - GHS05 corrosion
    Skin Corr. 1A  H314  Causes severe skin burns and eye damage.
  - GHS09 environment
    Aquatic Acute 1  H400  Very toxic to aquatic life.
    Aquatic Chronic 1  H410  Very toxic to aquatic life with long lasting effects.
  - GHS07
    Acute Tox. 4  H302  Harmful if swallowed.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
  The substance is classified and labelled according to the CLP regulation.

(Contd. on page 2)
Safety data sheet according to 1907/2006/EC, Article 31

Trade name: WALLOXEN TA 20

- Hazard pictograms

GHS05  GHS07  GHS09

- Signal word Danger

- Hazard-determining components of labelling: 61791-26-2  Fatty amine polyglycolether

- Hazard statements
  H302 Harmful if swallowed.
  H314 Causes severe skin burns and eye damage.
  H410 Very toxic to aquatic life with long lasting effects.

- Precautionary statements
  P280 Wear protective gloves/protective clothing/eye protection/face protection.
  P273 Avoid release to the environment.
  P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
  P391 Collect spillage.

- 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
  61791-26-2 Fatty amine polyglycolether

- Identification number(s)
  - NLP Number: 500-153-8

- Additional information:
  The transition period according REACH regulation, article 23 is still not expired.

4 First aid measures

- Description of first aid measures
  - General information: Immediately remove any clothing soiled by the product.
    - 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.
    Seek medical treatment.
    - After eye contact:
      Rinse opened eye for several minutes under running water. Then consult a doctor.
    - After swallowing:
      Drink plenty of water and provide fresh air. Call for a doctor immediately.
      Rinse mouth.
      Do not induce vomiting.
42.2.8 • 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)
• Advice for firefighters
  • Protective equipment: Use suitable breathing apparatus if necessary.

6 Accidental release measures
• 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 eyes or 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.
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:**
      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:**
      - **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:** Amine-like
  - **Odour threshold:** Not determined.
  - **pH-value (10 g/l) at 20 °C:** 9.0 - 11.0
Trade name: WALLOXEN TA 20

42.2.8

· Change in condition
  Melting point/Melting range: ca. 20 °C
  Boiling point/Boiling range: Undetermined.

· Flash point: > 100 °C (DIN 51376)

· Flammability (solid, gaseous): Not applicable.

· 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: < 0,13 hPa

· Density: ca. 0,94 g/cm³(25 °C)
  Relative density: Not determined.
  Vapour density: Not determined.
  Evaporation rate: Not determined.

· Solubility in / Miscibility with water: Soluble.

· Partition coefficient (n-octanol/water): Product is an emulsifier.

· Viscosity:
  Dynamic: Not determined.
  Kinematic: Not determined.

· 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
  Harmful if swallowed.

· LD/LC50 values relevant for classification:
  According to CESIO-recommendation 05/2015 (Human health class.)

Oral LD50 <2000 mg/kg (rat)

· Primary irritant effect:
  Skin corrosion/irritation
  According to CESIO-recommendation 05/2015 (Human health class.)
Trade name: WALLOXEN TA 20

Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
  According to CESIO-recommendation 05/2015 (Human health class.)
  Causes severe skin burns and eye damage.
- **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:**
    The classification (H400, H410) was carried out according to CESIO-recommendation 10/2015 (Env. class.)
    Acute 1, M = 10
    Chronic 1, M = 1
    
    - EC50: >0.01 - ≤0.1 mg/l (daphne)
    - LC50: >0.01 - ≤0.1 mg/l (fish)
    - Chronic NOEC / ECx: >0.001 - ≤0.01 mg/l (daphne)

- **Persistence and degradability**
  According to CESIO-recommendation 10/2015 (Env. class.)
  readily biodegradable

- **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.

- **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.
    Must not reach sewage water or drainage ditch undiluted or unneutralised.
    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.
Trade name: WALLOXEN TA 20

- 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, IMDG, IATA UN2735

- **UN proper shipping name**
  - ADR 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (Fatty amine polyglycolether), ENVIRONMENTALLY HAZARDOUS
  - IMDG AMINES, LIQUID, CORROSIVE, N.O.S. (Fatty amine polyglycolether), MARINE POLLUTANT
  - IATA AMINES, LIQUID, CORROSIVE, N.O.S. (Fatty amine polyglycolether)

- **Transport hazard class(es)**
  - ADR, IMDG
    - **Class** 8 Corrosive substances.
    - **Label** 8

- **IATA**
  - **Class** 8 Corrosive substances.
  - **Label** 8

- **Packing group**
  - ADR, IMDG, IATA III

- **Environmental hazards:** Environmentally hazardous substance, liquid; Marine Pollutant
- **Marine pollutant:** Yes (P) Symbol (fish and tree)
- **Special marking (ADR):** Symbol (fish and tree)

- **Special precautions for user** Warning: Corrosive substances.
- **Danger code (Kemler):** 80
- **EMS Number:** F-A,S-B
- **Segregation groups** Alkalis

- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
Trade name: WALLOXEN TA 20

- Transport/Additional information:

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<th>Limited quantities (LQ)</th>
<th>5L</th>
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<td>Tunnel restriction code</td>
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- UN "Model Regulation":

UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (Fatty amine polyglycolether), ENVIRONMENTALLY HAZARDOUS, 8, III

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
  P: Marine Pollutant
  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
  DNEL: Derived No-Effect Level (REACH)
  PNEC: Predicted No-Effect Concentration (REACH)
  SVHC: Substances of Very High Concern
  Acute Tox. 4: Acute toxicity – Category 4
  Skin Corr. 1A: Skin corrosion/irritation – Category 1A
  Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
  Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
- * Data compared to the previous version altered.