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

- Product identifier
  - Trade name: Hama Screen cleaning gel (200 ml)
  - Article number: xxx78302
- Relevant identified uses of the substance or mixture and uses advised against
  No further relevant information available.
- Application of the substance / the mixture
  Cleaning material/ Detergent
  According to trade name/product specification
- Details of the supplier of the safety data sheet
  Manufacturer/Supplier:
  Hama GmbH & Co KG
  D-86652 Monheim
- Further information obtainable from:
  Department: Quality Assurance
  QS InfoSDB@hama.de
  +49 9091 502-0
- Emergency telephone number:
  +49 9091 502-6400 (Hama)
  +49 89 19240 (toxin emergency call in Munich)

2 Hazards identification

- Classification of the substance or mixture
  - Classification according to Regulation (EC) No 1272/2008
    The product is not classified according to the CLP regulation.
- Label elements
  - Labelling according to Regulation (EC) No 1272/2008 Void
  - Hazard pictograms Void
  - Signal word Void
  - Hazard statements Void
- Recommended additional labelling:
  If medical advice is needed, have product container or label at hand.
  Keep out of reach of children.
  Read label before use.
  Observe the remarks of the device manufacturer.
  Before using on a large surface, be sure to test on a small, inconspicuous area to ensure that the materials are compatible.
  Do not exert strong pressure.
  Before cleaning, disconnect device from the power supply and allow to cool.
  Disposal must be made according to official regulations.
- Other hazards
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
  - Description: Mixture of substances listed below with nonhazardous additions.
- Dangerous components: Void
- Regulation (EC) No 648/2004 on detergents / Labelling for contents
  anionic surfactants < 5%
4 First aid measures

- **Description of first aid measures**
- **General information:**
  No special measures required.
  Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
  Immediately wash with water and soap and rinse thoroughly.
  Generally the product does not irritate the skin.
  If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Seek immediate medical advice.
  Rinse out mouth and then drink plenty of water.
- **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** No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:**
    Use fire extinguishing methods suitable to surrounding conditions.
    CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
  In case of fire, the following can be released:
  - Carbon monoxide and carbon dioxide
  Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Advice for firefighters**
  - **Protective equipment:**
    No special measures required.
    Use fire extinguishing methods suitable to surrounding conditions.
    Wear self-contained respiratory protective device.
  - **Additional information**
    Cool endangered receptacles with water spray.
    Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  No special measures required.
  Wear protective equipment. Keep unprotected persons away.
  Ensure adequate ventilation
- **Environmental precautions:**
  Do not allow to enter sewers/ surface or ground water.
  Do not allow to penetrate the ground/soil.
- **Methods and material for containment and cleaning up:**
  No special measures required.
  Pick up mechanically.
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Water, if necessary together with cleansing agents.
- **Reference to other sections**
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
7 Handling and storage

- Handling:
  - Precautions for safe handling: No special precautions are necessary if used correctly.
  - Information about fire - and explosion protection:
    No special measures required.
    See section 5.

- Conditions for safe storage, including any incompatibilities

- Storage:
  - Requirements to be met by storerooms and receptacles:
    No special requirements.
    Store only in the original receptacle.
  - Information about storage in one common storage facility:
    No special measures required.
    Storage and clustering must be made according to official regulations.
  - Further information about storage conditions:
    Protect from heat and direct sunlight.
    Store in cool, dry conditions in well sealed receptacles.
    Protect from frost.
  - Storage class: 12 (VCI)
  - 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:
    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 valid during the making were used as basis.

- Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      Parameters refer to the product and its intended usage (usage/tradename - point 1 MSDS).
      The usual precautionary measures are to be adhered to when handling chemicals.
      Avoid contact with the eyes and skin.
      Do not inhale gases / fumes / aerosols.
      Immediately remove all soiled and contaminated clothing
      Keep away from foodstuffs, beverages and feed.
      Wash hands before breaks and at the end of work.
    - Respiratory protection: No special precautions are necessary if used correctly.
    - Protection of hands:
      No special precautions are necessary if used correctly.
      The product is a preparation, no special tests were accomplished.
      The recommendation of the glove material is based on the existing information to the ingredients.
      If prolonged exposure not avoidable:
      - Material of gloves Nitrile rubber, NBR
      - Penetration time of glove material
        The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
    - Eye protection:
      No special precautions are necessary if used correctly.
      If exposure not avoidable:
9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Fluid
      - Colour: Colourless
    - Odour: Odourless
  - pH-value at 20 °C: 7

- Change in condition
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: 100 °C

- Flash point: Not applicable.
- Self-igniting: Product is not self-igniting.
- Danger of explosion: Product does not present an explosion hazard.
- Vapour pressure: Not determined.
- Density at 20 °C: 1 g/cm³

- Solubility in / Miscibility with water: Fully miscible.

- Viscosity:
  - Dynamic: Not determined.
  - Kinematic: Not determined.

- Solvent content:
  - Water: > 90 %
  - VOC (EC): 2.00 %

- Other information
  - No further relevant information available.

10 Stability and reactivity

- Reactivity
  - Chemical stability
    - Thermal decomposition / conditions to be avoided:
      - No decomposition if used and stored 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.
    - Additional information: See Section 7 for information on safe handling.

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - Primary irritant effect:
      - on the skin:
        - Generally the product does not irritate the skin.
12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** Undetermined.
  - **Persistence and degradability** Undetermined.
  - **Behaviour in environmental systems:**
    - **Components:** Undetermined.
    - **Bioaccumulative potential** Undetermined.
    - **Mobility in soil** No further relevant information available.
  - **Additional ecological information:**
    - **General notes:**
      - At present there are no ecotoxicological assessments.
      - The surfactant(s) contained in this preparation complies(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.
      - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
      - Avoid transfer into the environment.
    - **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** Disposal must be made according to official regulations.
- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agents:**
    - Water, if necessary together with cleansing agents.
    - See section 6.

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

(Contd. on page 6)
Trade name: Hama Screen cleaning gel (200 ml)

- 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 MARPOL73/78 and the IBC Code
  - Not applicable.
- Transport/Additional information:
  - Not dangerous according to the above specifications.
- UN "Model Regulation": -

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations:
- Other regulations, limitations and prohibitive regulations
  1907/2006/EC (REACH)
  648/2004/EC (Detergents)
  1272/2008/EC (CLP)
  As the case may be, additional, national legal provisions must be observed.
- 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 MSDS: Department: Quality Assurance
- Contact: Field: Chemistry
- 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 Harmonized 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)
  - VOC: Volatile Organic Compounds (USA, EU)