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

1.1. Product identifiers
   Article No. (manufacturer/supplier) G9904571
   Identification of the substance or mixture: GR1N aqueous cleaner

1.2. Relevant identified uses of the substance or mixture and uses advised against
   Relevant identified uses: cleaning agent

1.3. Details of the supplier of the safety data sheet
   supplier (manufacturer/importer/downstream user/distributor):
   CESB GmbH
   Bennostraße 2
   13053 Berlin
   Germany
   Dept. responsible for information:
   E-mail: info@CESB.de

1.4. Emergency telephone number
   Emergency telephone number: UK: Tel: 111 or 0344 892 111 (NHS professionals only)
   Ireland: Members of Public: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week)
   Ireland: Healthcare Professionals: 01 809 2566 (24 hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   Classification according to Regulation (EC) No. 1272/2008 [CLP]
   This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

2.2. Label elements
   Labelling according to Regulation (EC) No. 1272/2008 [CLP]
   Hazard pictograms

   Hazard statements:
   n.a.

   Precautionary statements
   n.a.

   contains:
   n.a.

   Besondere Kennzeichnung bestimmter Gemische
   EUH210 Safety data sheet available on request

2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.1. Mixtures
   Product description / chemical characterization
   Description: water based cleaner, pH neutral
   Hazardous ingredients:
   Classification according to Regulation (EC) No. 1272/2008 [CLP].

   EC-No. REACH No.
SECTION 4: First aid measures

4.1. Description of first aid measures:

General information:
In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Following inhalation
Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact:
Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion:
If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed
In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:
strong water jet

5.2. Special hazards arising from the substance or mixture
Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters
Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

6.2. Environmental precautions
Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up
Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections
Observe protective provisions (see chapter 7 and 8).
**SECTION 7: Handling and storage**

7.1. **Precautions for safe handling**

    **Advices on safe handling**
    Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

7.2. **Conditions for safe storage, including any incompatibilities**

    **Requirements for storage rooms and vessels**
    Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

    **Hints on joint storage**
    Keep away from strongly acidic and alkaline materials as well as oxidizers.

    **Further information on storage conditions**
    Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. **Specific end use(s)**

    Observe technical data sheet. Observe instructions for use.

**SECTION 8: Exposure controls/personal protection**

8.1. **Control parameters**

    **Occupational exposure limit values:**
    n.a.

8.2. **Exposure controls**

    Provide good ventilation. This can be achieved with local or room suction.

    **Occupational exposure controls**
    **Respiratory protection**
    n.a.
    **Hand protection**
    For prolonged or repeated handling the following glove material must be used: not necessary
    Thickness of the glove material 0,4 mm Breakthrough time (maximum wearing time) 30 min
    Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin: Recommended glove articles DIN EN 374
    Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

    **Eye protection**
    Wear closely fitting protective glasses in case of splashes.

    **Protective clothing**
    Wear suitable protective clothing and gloves.

    **Protective measures**
    After contact clean skin thoroughly with water and soap or use appropriate cleanser.

    **Environmental exposure controls**
    Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary..

**SECTION 9: Physical and chemical properties**

9.1. **Information on basic physical and chemical properties**

    **Appearance:**
    **Physical state** liquid
    **Colour** without
    **Odour** perfumed
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010

Special Cleaner for Glass and Plastic GR1N

Article No.: G9904571 Revision date: 01.12.2017 EN

Safety relevant basis data

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<th>Property</th>
<th>Unit</th>
<th>Method</th>
<th>Remark</th>
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<td>Flash point (°C)</td>
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<td>Ignition temperature in °C:</td>
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<td>Lower explosion limit:</td>
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<td>Upper explosion limit:</td>
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<td>Vapour pressure at 20 °C:</td>
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<td>Density at 20 °C:</td>
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<td>Viscosity at 20 °C:</td>
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</table>

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity
not reactive under normal use conditions

10.2. Chemical stability
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. Possibility of hazardous reactions
Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

10.6. Hazardous decomposition products
Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides. none at regular use.

SECTION 11: Toxicological information

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]
No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity
Toxicological data are not available.

skin corrosion/irritation; Serious eye damage/eye irritation
Toxicological data are not available.

Respiratory or skin sensitisation
Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Toxicological data are not available.

Specific target organ toxicity
Toxicological data are not available.

Aspiration hazard
Toxicological data are not available.

Practical experience/human evidence
Other observations:
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties
The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark
There is no information available on the preparation itself.
SECTION 12: Ecological information

overall evaluation
Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP] There is no information available on the preparation itself.
Do not allow to enter into surface water or drains.

12.1. Toxicity
No information available.

Long-term Ecotoxicity
Toxicological data are not available.

12.2. Persistence and degradability
Toxicological data are not available.

12.3. Bioaccumulative potential
Toxicological data are not available.

Bioconcentration factor (BCF)
Toxicological data are not available.

12.4. Mobility in soil
Toxicological data are not available.

12.5. Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation:
Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC
070799 wastes not otherwise specified

packaging Recommendation
Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No dangerous good in sense of this transport regulation.

14.1. UN number n. a.

14.2. UN proper shipping name

14.3. Transport hazard class(es) n.a.

14.4. Packing group n.a.

14.5. Environmental hazards

Land transport (ADR/RID) n.a.

14.6. Special precautions for user
Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Additional information
Section 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

- VOC-value (in g/L) ISO 11890-2: 55,000
- VOC-value (in g/L) ASTM D 2369: 55,000

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

Section 16: Other Information

Full text of classification in section 3:

Abbreviations and acronyms

Not contained in the list of poisonous chemicals and precursor of the agreement governing chemical weapons (CWC)

Additional information

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

Annex

At present, data / information on exposure scenarios are not available, so that an evaluation of the preparation cannot yet be made.