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

- **Product identifier**
  - **Brandname:** DIVOS 2
  - **Ref. no.:** FM003170

- **Relevant identified uses of the substance or mixture and uses advised against**
  - **Application of the substance / mixture:** Professional cleaning / maintenance product

- **Details of the supplier of the safety data sheet**
  - **Manufacturer, importer, supplier:** Diversey local operating company
  - **Information department:** Diversey local operating company
  - **Emergency telephone number:** Diversey local operating company

2 Hazards identification

- **Classification of the substance or mixture**
  - **Classification system:**
    - The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**
  - **Symbol and hazard identification of product:**
    - **Corrosive**

- **Hazard-determining components of labelling:**
  - nitric acid
  - phosphoric acid

- **Risk phrases:**
  - 35 Causes severe burns.

- **Safety phrases:**
  - 23 Do not breathe gas/fumes/vapour/spray.
  - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - 28 After contact with skin, wash immediately with plenty of water.
  - 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
  - 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

- **Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Description:** Mixture of non-dangerous ingredients and substances listed below.

- **Dangerous components:**
  - **CAS:** 7697-37-2
    - **EINECS:** 231-714-2
    - **nitric acid**
    - **C R35; A R8**
    - **15-30%**
  - **CAS:** 7664-38-2
    - **EINECS:** 231-633-2
    - **phosphoric acid**
    - **C R34**
    - **15-30%**

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
  - **General information:** Immediately remove any clothing soiled by the product.
5 Firefighting measures

· Extinguishing media
  Suitable extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  Advice for firefighters
  Protective equipment: In the case of fire, wear respiratory protective equipment and chemical protective suit.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
  Environmental precautions: Prevent seepage into sewage system, workpits and cellars.
  Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).
  Ensure adequate ventilation.
  Dispose of the material collected according to regulations.
  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 waste disposal information.

7 Handling and storage

· Precautions for safe handling
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of aerosols.
  Use common rules for working with chemicals.
  For Professional use only.
  Information about fire - and explosion protection: No special measures required.
  Conditions for safe storage, including any incompatibilities
  Requirements for storage rooms / facilities:
  Store only in the original containers.
  According to local legislation.
  Combined storage in storage rooms / facilities: According to local legislation.

8 Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see section 7.
Control parameters

Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>Short-term value</th>
<th>Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>7697-37-2</td>
<td>nitric acid</td>
<td>10 mg/m³, 4 ppm</td>
<td>5.2 mg/m³, 2 ppm</td>
</tr>
<tr>
<td>7664-38-2</td>
<td>phosphoric acid</td>
<td>2 mg/m³</td>
<td>1 mg/m³</td>
</tr>
</tbody>
</table>

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.
Take off contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Respiratory protection:
Personal protection is not normally required. However, inhalation of dust, vapour or aerosol should be avoided.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves: nitrile rubber, NBR- (EN 374, category III)

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:

Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

- Form: Liquid
- Colour: Clear
- Odour: Characteristic

pH-value (10 g/l) at 20°C: 1.5
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.
Flash point: Not applicable.
Ignition temperature: Not determined
Self-igniting: Product is not selfigniting.
Danger of explosion: Product does not present an explosion hazard.
Vapour pressure: Not determined
Density at 20°C: 1.31 g/cm³
10 Stability and reactivity

- Reactivity:
- Chemical stability:
  Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
- Conditions to avoid: No decomposition if used according to specifications.
- Possibility of hazardous reactions: Reacts with alkali (lyes) with the evolution of heat.
- Hazardous decomposition products: Nitrogen oxides.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values relevant for classification:
    LD50 (oral) is estimated to be 0.2-2 g/kg. This value is no practical significant due to the corrosive nature of the product.
- Skin contact: Strong caustic effect on skin and mucous membranes.
- Eye contact: Strong caustic effect. May cause permanent damage.
- Inhalation: Severe irritant, may cause pulmonary oedema.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
  The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
  Corrosive
  Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Ecotoxicological effects: Not determined
- Behaviour in sewage processing plants: Not determined
- General notes:
  Must not reach sewage water or drainage ditch undiluted or unneutralized.
  When used for its intended purpose this product should not cause adverse effects in the environment.
- Results of PBT and vPvB assessment:
  - PBT: Not applicable.
13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:** Dispose of contents/container in accordance with local/regional/national/international regulations.

- **European waste catalogue**
  - 20 01 14 acids
  - **Uncleaned packaging:**
    - **Recommendation:** Dispose of contents/container in accordance with local/regional/national/international regulations.
  - **Recommended cleansing agents:** water

14 Transport information

- **Land transport ADR/RID (cross-border)**
  - **ADR/RID class:** 8 Corrosive substances
  - **Danger code (Kemler):** 80
  - **UN-Number:** 2031
  - **Packaging group:** II
  - **Hazard label:** 8
  - **UN proper shipping name:** 2031 NITRIC ACID, other then red fuming, with less than 65% nitric acid.
  - **Tunnel restriction code:** E

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Ingredients according to EC Detergents Regulation 648/2004**
    - phosphates 15 - 30%
  - **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

- **Relevant phrases**
  - R34 Causes burns.
  - R35 Causes severe burns.
  - R8 Contact with combustible material may cause fire.
- **Department issuing MSDS:** Diversey Prague
- **Contact:** Jana Roubickova
- **International references:**
  - **MSDS code:** MSDS3472
  - **Version:** 6
  - * Data compared to the previous version altered.