1 Identification

- **Product identifier**
  - **Trade name:** Viva Acet
  - **Application of the substance / the mixture**
  - Laundry
  - Acid

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**
    SEITZ GmbH
    Gutenbergstrasse 1 - 3
    65830 Kriftel / Germany
    Tel. + 49(0) 6192-9948-0
    Fax + 49(0) 6192-9948-99
    order@seitz24.com
    www.seitz24.com

  - **Information department:**
    CHEM-TEL Inc.
    1305 North Florida Ave
    Tampa Florida 33602

- **Emergency telephone number:**
  - 1-800-255-3924

2 Hazard(s) identification

- **Classification of the substance or mixture**

  ![GHS07]

  Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
  - **GHS label elements**
    The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**

  ![GHS07]

- **Signal word** Warning
- **Hazard statements**
  - H319 Causes serious eye irritation.
- **Precautionary statements**
  - P280 Wear protective gloves / eye protection.
  - P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P337+P313 If eye irritation persists: Get medical advice/attention.

- **Other hazards**
  - **Results of PBT and vPvB assessment**
    - PBT: Not applicable.
    - vPvB: Not applicable.
Safety Data Sheet
acc. to OSHA HCS

Trade name: Viva Acet

3 Composition/information on ingredients
- Chemical characterization: Mixtures

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Components</th>
<th>50 - 75%</th>
</tr>
</thead>
<tbody>
<tr>
<td>77-92-9</td>
<td>citric acid</td>
<td></td>
</tr>
</tbody>
</table>

- Additional information For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures
- Description of first aid measures
  - General information Immediately remove any clothing soiled by the product.
  - After inhalation Supply fresh air; consult doctor in case of complaints.
  - After skin contact Immediately rinse with water.
    If skin irritation continues, consult a doctor.
  - After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing Rinse out mouth and then drink plenty of water.
    Do not induce vomiting; immediately call for medical help.
- Information for doctor
  - Most important symptoms and effects, both acute and delayed Eye irritation
  - Indication of any immediate medical attention and special treatment needed Symptomatic treatment

5 Fire-fighting measures
- Extinguishing media
  - Suitable extinguishing agents
    CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - For safety reasons unsuitable extinguishing agents No further relevant information available.
- Special hazards arising from the substance or mixture
  - Formation of toxic gases is possible during heating or in case of fire.
- Advice for firefighters
  - Protective equipment:
    Do not inhale explosion gases or combustion gases.
    Wear self-contained respiratory protective device.
  - Additional information
    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
  - Wear protective equipment. Keep unprotected persons away.
  - Avoid contact with eyes and skin.
  - Ensure adequate ventilation
- Environmental precautions: Do not allow product to reach sewage system or any water course.
Trade name: Viva Acet

Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.

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
Keep away from heat and direct sunlight.
Avoid contact with eyes and skin.
Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires: 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.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:
Protect from heat and direct sunlight.
Store in cool, dry conditions in well sealed receptacles.
Protect from frost.
Time of storage: max. 24 month

Specific end use(s) Laundry

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters
Components with limit values that require monitoring at the workplace:

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls
Personal protective equipment

General protective and hygienic measures
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Do not inhale gases / fumes / aerosols.
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.

Breathing equipment:
Not required.
Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).

Protection of hands:
Acid resistant gloves
## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

  - **General Information**
    - **Appearance:**
      - Form: Fluid
      - Color: Colorless
      - Odor: Product specific
      - Odor threshold: No further relevant information available.
  
  - **pH-value (10 g/l) at 20 °C (68 °F):** ~ 2.5
  
  - **Change in condition**
    - Melting point/Melting range: undetermined
    - Boiling point/Boiling range: undetermined
  
  - **Flash point:** Not applicable
  
  - **Flammability (solid, gaseous):** No further relevant information available.
  
  - **Ignition temperature:** No further relevant information available.
  
  - **Decomposition temperature:** No further relevant information available.
  
  - **Auto igniting:** Product is not selfigniting.
  
  - **Danger of explosion:** Product does not present an explosion hazard.
  
  - **Explosion limits:**
    - Lower: No further relevant information available.
    - Upper: No further relevant information available.
  
  - **Oxidizing properties:** No further relevant information available.
  
  - **Vapor pressure:** No further relevant information available.
  
  - **Density at 20 °C (68 °F):** ~ 1.25 g/cm³ (ISO 2811)
  
  - **Relative density:** No further relevant information available.
  
  - **Vapor density:** No further relevant information available.
  
  - **Evaporation rate:** No further relevant information available.
  
  - **Solubility in / Miscibility with Water:** Fully miscible
  
  - **Partition coefficient (n-octanol/water):** No further relevant information available.
Trade name: Viva Acet

44.0
- Viscosity:
  - dynamic: No further relevant information available.
  - kinematic: No further relevant information available.
- Other information No further relevant information available.

10 Stability and reactivity
- Reactivity No further relevant information available.
- Chemical stability Stable under normal ambient conditions. No decomposition if used and stored according to specifications.
- Possibility of hazardous reactions Reacts with alkali (lyes)
- Conditions to avoid No further relevant information available.
- Incompatible materials: Alkalis (lyes)
- Hazardous decomposition products: No dangerous decomposition products known

11 Toxicological information
- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values that are relevant for classification:
    - CAS: 77-92-9 citric acid
      - Oral LD50 3000 mg/kg (rat)
    - on the skin: Based on available data, the classification criteria are not met.
    - on the eye: Causes serious eye irritation.
    - Sensitization: Based on available data, the classification criteria are not met.
    - Additional toxicological information:
      - Carcinogenic categories
        - IARC (International Agency for Research on Cancer)
          None of the ingredients is listed.
        - NTP (National Toxicology Program)
          None of the ingredients is listed.
        - OSHA-Ca (Occupational Safety & Health Administration)
          None of the ingredients is listed.

12 Ecological information
- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
Trade name: Viva Acet

- Additional ecological information:
- General notes:
  Must not reach bodies of water or drainage ditch undiluted or unneutralized.
  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:
  Contaminated adsorbent, soil, water must be disposed of in a permitted hazardous waste
  management facility. Recovered products may be reused, reprocessed or incinerated or must be
  treated in a permitted hazardous waste management facility. It is your duty to dispose of the
  chemical materials and/or their containers in accordance with the Clean Air Act, The Clean Water
  Act, RCRA, as well as applicable Federal, State, and local Regulations regarding disposal.

14 Transport information

- UN-Number
  DOT, ADR, ADN, IMDG, IATA Void
- UN proper shipping name
  DOT, ADR, ADN, IMDG, IATA Void
- Transport hazard class(es)
  DOT, ADR, ADN, IMDG, IATA Void
  - Class
- Packing group
  DOT, ADR, IMDG, IATA Void
- Environmental hazards: Not applicable.
- 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": Void

15 Regulatory information

- Canadian substance lists
  - Canadian domestic substance list (DSL):
    All ingredients are listed.
Trade name: Viva Acet

- **Canadian ingredient disclosure list (limit 0.1%)**: None of the ingredients is listed.

- **Canadian ingredient disclosure list (limit 1%)**: CAS: 77-92-9 | citric acid

- **Sara**
  - **Section 355 (extremely hazardous substances)**: None of the ingredients is listed.
  - **Section 313 (specific toxic chemical listings)**: None of the ingredients is listed.
  - **TSCA (Toxic Substances Control Act)**: All ingredients are listed.

- **Proposition 65**
  - **Chemicals known to cause cancer**: None of the ingredients is listed.
  - **Chemicals known to cause reproductive toxicity for females**: None of the ingredients is listed.
  - **Chemicals known to cause reproductive toxicity for males**: None of the ingredients is listed.
  - **Chemicals known to cause developmental toxicity**: None of the ingredients is listed.

- **New Jersey Right-to-Know List**: None of the ingredients is listed.

- **New Jersey Special Hazardous Substance List**: None of the ingredients is listed.

- **Pennsylvania Right-to-Know List**: None of the ingredients is listed.

- **Pennsylvania Special Hazardous Substance List**: None of the ingredients is listed.

- **EPA (Environmental Protection Agency)**: None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**: None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**: None of the ingredients is listed.

- **National regulations**
  - **Other regulations, limitations and prohibitive regulations**
  - **Please note:** The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer’s responsibility to ensure that its activities comply with Federal, State or provincial, and local laws. The following specific information is made for the purpose of complying with numerous laws and regulations. The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer’s responsibility to
ensure that their activities comply with Federal, State or provincial and local laws. The following specific information is made for the purpose of complying with numerous laws and regulations.

**Other information:** The product has been designed for professional use only.

### 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.

- **Date of preparation / last revision** 04/06/2017 / 2
- **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
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - 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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - NIOSH: National Institute for Occupational Safety
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - REL: Recommended Exposure Limit
  - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- *Data compared to the previous version altered.*