Safety Data Sheet
according to HPR, Schedule 1

Printing date 06/29/2023 Version 4.01 Reviewed on 06/29/2023

*

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
Supplier

· **Information department:**
CHEM-TEL Inc.
1305 North Florida Ave
Tampa Florida 33602
· **Emergency telephone number:** 1-800-255-3924 (24-hour Service)

2 Hazard identification

· **Classification of the substance or mixture**
Eye Irritation - Category 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.

(Contd. on page 2)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 06/29/2023 Version 4.01 Reviewed on 06/29/2023

Trade name: Viva Acet

(Contd. of page 1)

P337+P313 If eye irritation persists: Get medical advice/attention.

3 Composition/Information on ingredients

· **Chemical characterization: Mixtures**

· **CAS-No.**	**Components:**	
CAS: 77-92-9	1,2,3-Propanetricarboxylic acid, 2-hydroxy- ; citric acid	30 – 60% w/w

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** Augenreizung
· **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.

(Contd. on page 3)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 06/29/2023 Version 4.01 Reviewed on 06/29/2023

Trade name: Viva Acet

(Contd. of page 2)

Avoid contact with eyes and skin.
Ensure adequate ventilation
· **Environmental precautions:** Do not allow product to reach sewage system or any water course.
· **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.

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.
· **Specific end use(s)** Laundry

8 Exposure controls/ Personal protection

· **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

(Contd. on page 4)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 06/29/2023 Version 4.01 Reviewed on 06/29/2023

Trade name: Viva Acet

(Contd. of page 3)

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

· **Material of gloves**
Nitrile rubber, NBR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **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.

· **Body protection:** Acid resistant protective clothing

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
· **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.

(Contd. on page 5)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 06/29/2023 Version 4.01 Reviewed on 06/29/2023

Trade name: Viva Acet

(Contd. of page 4)

· **Solubility in / Miscibility with Water:**	Fully miscible
· **Partition coefficient (n-octanol/water):**	No further relevant information available.
· **Viscosity:**	
Dynamic viscosity:	No further relevant information available.
Kinematic viscosity:	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 (Oral, Dermal, by Inhalation)**

· **LD/LC50 values that are relevant for classification:**		
ATE (Acute Toxicity Estimate)		
Oral	LD50	5,455 mg/kg (rat)

CAS: 77-92-9 1,2,3-Propanetricarboxylic acid, 2-hydroxy- ; citric acid		
Oral	LD50	3,000 mg/kg (rat)

· **SKIN - Skin corrosion/irritation** No further relevant information available.
· **EYE - Serious eye damage/irritation** Causes serious eye irritation.
· **By Inhalation or by skin - Respiratory or skin sensitisation**
No further relevant information available.
· **Additional toxicological information:**

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.

· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
· **Germ cell mutagenicity** No further relevant information available.
· **Carcinogenicity** No further relevant information available.
· **Reproductive toxicity** No further relevant information available.
· **Specific target organ toxicity – single exposure** No further relevant information available.
· **Specific target organ toxicity – repeated exposure** No further relevant information available.

(Contd. on page 6)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 06/29/2023 Version 4.01 Reviewed on 06/29/2023

Trade name: Viva Acet

(Contd. of page 5)

· **Aspiration hazard** No further relevant information available.

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.
· **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:** Disposal must be made according to official regulations.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number** · **DOT/TDG, ADR, ADN, IMDG, IATA**	Void
· **UN proper shipping name** · **DOT/TDG, ADR, ADN, IMDG, IATA**	Void
· **Transport hazard class(es)** · **DOT, ADR, ADN, IMDG, IATA** · **Class**	Void
· **Packing group** · **DOT/TDG, ADR, IMDG, IATA**	Void
· **Environmental hazards:**	Not applicable.
· **Special precautions for user**	Not applicable.

(Contd. on page 7)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 06/29/2023 Version 4.01 Reviewed on 06/29/2023

Trade name: Viva Acet

(Contd. of page 6)

· **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.

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

· **Canadian ingredient disclosure list (limit 1%):**

CAS: 77-92-9	1,2,3-Propanetricarboxylic acid, 2-hydroxy- ; citric acid

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **TSCA (Toxic Substances Control Act):**
All ingredients are listed.

· **MAK (German Maximum Workplace Concentration)**
None of the ingredients is listed.

· **Canadian Non-Domestic Substances List (NDSL)**
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 buyers 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.
· **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.

· **Contact:**
· **Date of the latest revision of the safety data sheet** 06/29/2023
· **Abbreviations and acronyms:**
LL50: Lethal loading, 50%
NOEC: No Observed Effect Concentration
ErC50: Effective Concentration 50%, growth rate
EC50: Effective Concentration 50%

(Contd. on page 8)

Safety Data Sheet
according to HPR, Schedule 1

Printing date 06/29/2023 Version 4.01 Reviewed on 06/29/2023

Trade name: Viva Acet

(Contd. of page 7)

EL50: Effect loading, 50%
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
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

· *** Data compared to the previous version altered.**