

## Safety Data Sheet

acc. to OSHA HCS

Printing date 05/22/2017

Reviewed on 05/22/2017

### 1 Identification

- **Product identifier**
- **Trade name: Mega Acet**
- **CAS Number:**  
77-92-9
- **EC number:**  
201-069-1
- **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 substance 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.

(Contd. on page 2)

US

## Safety Data Sheet

acc. to OSHA HCS

Printing date 05/22/2017

Reviewed on 05/22/2017

**Trade name: Mega Acet**

(Contd. of page 1)

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

### 3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description:**  
77-92-9 citric acid
- **Identification number(s):**
- **EC number:** 201-069-1

### 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**  
Water  
Fire-extinguishing powder  
Foam  
Carbon dioxide
- **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.

US

(Contd. on page 3)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 05/22/2017

Reviewed on 05/22/2017

Trade name: **Mega Acet**

(Contd. of page 2)

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Avoid contact with eyes and skin.  
Avoid formation of dust.  
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:**  
Pick up mechanically.  
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.  
Prevent formation of dust.  
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.  
Store in a cool location.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from flammable substances.  
Store away from reducing agents.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from humidity and water.  
Time of storage: max. 18 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:** Not required.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures for handling chemicals should be followed.

(Contd. on page 4)

## Safety Data Sheet acc. to OSHA HCS

Printing date 05/22/2017

Reviewed on 05/22/2017

**Trade name: Mega Acet**

(Contd. of page 3)

- Vacuum clean contaminated clothing. Do not blow or brush off contamination.
- Do not eat, drink, smoke or sniff while working.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.
- Do not inhale dust / smoke / mist.
- **Breathing equipment:** By formation of dust: dust mask
- **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  
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:** Safety glasses
- **Body protection:** Protective work clothing.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form:** Powder
  - Color:** White
- **Odor:** Product specific
- **Odor threshold:** No further relevant information available.
- **pH-value (100 g/l) at 20 °C (68 °F):** ~ 1.7
- **Change in condition**
  - Melting point/Melting range:** 153 °C (307 °F)
  - Boiling point/Boiling range:** undetermined
- **Flash point:** Not applicable
- **Flammability (solid, gaseous)** No further relevant information available.
- **Ignition temperature:**
- **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.

(Contd. on page 5)

## Safety Data Sheet acc. to OSHA HCS

Printing date 05/22/2017

Reviewed on 05/22/2017

**Trade name: Mega Acet**

(Contd. of page 4)

· <b>Vapor pressure:</b>	No further relevant information available.
· <b>Density at 20 °C (68 °F):</b>	1.54 g/cm <sup>3</sup> (12.851 lbs/gal)
· <b>Relative density</b>	No further relevant information available.
· <b>Vapor density</b>	No further relevant information available.
· <b>Evaporation rate</b>	No further relevant information available.
· <b>Solubility in / Miscibility with Water:</b>	Easily soluble
· <b>Partition coefficient (n-octanol/water):</b>	No further relevant information available.
· <b>Viscosity:</b>	
· <b>dynamic:</b>	No further relevant information available.
· <b>kinematic:</b>	No further relevant information available.
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**  
Stable under normal ambient conditions.  
Danger of decomposition in case of warmth and heat influence.
- **Possibility of hazardous reactions**  
Reacts with alkali and metals  
Reacts with oxidizing agents  
Reacts with reducing agents
- **Conditions to avoid**  
Prevent formation of dust.  
Protect from humidity.  
Protect from heat and direct sunlight.
- **Incompatible materials:** Metals
- **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)**

Substance is not listed.
--------------------------

(Contd. on page 6)



# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/22/2017

Reviewed on 05/22/2017

Trade name: **Mega Acet**

(Contd. of page 5)

· **NTP (National Toxicology Program)**

Substance is not listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not 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.

· **Additional ecological information:**

· **General notes:**

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**  
· **Class** Void

· **Packing group**

· **DOT, ADR, IMDG, IATA** Void

· **Environmental hazards:** Not applicable.

(Contd. on page 7)



# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/22/2017

Reviewed on 05/22/2017

**Trade name: Mega Acet**

(Contd. of page 6)

· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

## 15 Regulatory information

### · Canadian substance lists

· <b>Canadian domestic substance list (DSL):</b>
Substance is listed.

· <b>Canadian ingredient disclosure list (limit 0.1%):</b>
Substance is not listed.

· <b>Canadian ingredient disclosure list (limit 1%):</b>
Substance is listed.

### · Sara

· <b>Section 355 (extremely hazardous substances):</b>
Substance is not listed.

· <b>Section 313 (specific toxic chemical listings):</b>
Substance is not listed.

· <b>TSCA (Toxic Substances Control Act):</b>
Substance is listed.

### · Proposition 65

· <b>Chemicals known to cause cancer:</b>
Substance is not listed.

· <b>Chemicals known to cause reproductive toxicity for females:</b>
Substance is not listed.

· <b>Chemicals known to cause reproductive toxicity for males:</b>
Substance is not listed.

· <b>Chemicals known to cause developmental toxicity:</b>
Substance is not listed.

· <b>New Jersey Right-to-Know List:</b>
Substance is not listed.

· <b>New Jersey Special Hazardous Substance List:</b>
Substance is not listed.

· <b>Pennsylvania Right-to-Know List:</b>
Substance is not listed.

· <b>Pennsylvania Special Hazardous Substance List:</b>
Substance is not listed.

(Contd. on page 8)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 05/22/2017

Reviewed on 05/22/2017

**Trade name: Mega Acet**

(Contd. of page 7)

**· EPA (Environmental Protection Agency)**

Substance is not listed.

**· TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

**· NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not 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.

**· Date of preparation / last revision 05/22/2017 / 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

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

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

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