

Printing date 06/29/2011

Reviewed on 06/29/2011

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

- **Product identifier**
- **Trade name: Mega Sol**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Laundry
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEITZ GmbH
Gutenbergstrasse 3
65830 Kriftel/ Germany
seitz@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 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
C; Corrosive
R34: Causes burns.
Xi; Irritant
R37: Irritating to respiratory system.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
The product has been marked in accordance with national laws.
Observe the general safety regulations when handling chemicals
- **Code letter and hazard designation of product:**
C Corrosive
- **Hazard-determining components of labelling:**
sodium metasilicate pentahydrate
- **Risk phrases:**
34 Causes burns.
37 Irritating to respiratory system.
- **Safety phrases:**
2 Keep out of the reach of children.
20 When using do not eat or drink.
22 Do not breathe dust.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
27/28 After contact with skin, take off immediately all contaminated clothing, and 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).
46 If swallowed, seek medical advice immediately and show this container or label.

(Contd. on page 2)

USA

Printing date 06/29/2011

Reviewed on 06/29/2011

Trade name: Mega Sol

(Contd. of page 1)

- **Hazard description:**
- **WHMIS classification**
D2B - Toxic material causing other toxic effects
E - Corrosive material



- **Classification system**
- **NFPA ratings (scale 0-4)**



Health = 3
Fire = 0
Reactivity = 0

- **HMIS ratings (scale 0-4)**



Health = 3
Fire = 0
Reactivity = 0

3 Composition/information on ingredients

- **Description:** Mixture of the substances listed below with non-hazardous ingredients.

· **CAS-No. Components:**

CAS-No.	Components:	
497-19-8	sodium carbonate	20 - 50%
10213-79-3	sodium metasilicate pentahydrate	20 - 50%
69011-36-5	isotridecanol, oxethylated	< 10%
68411-30-3	alkyl benzenesulfonic acid sodium salts	< 5%

4 First aid measures

- **Description of first aid measures**
- **General information**
Remove casualties from exposure.
Keep unprotected persons away.
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.
Seek medical treatment.
- **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.

USA

(Contd. on page 3)

Printing date 06/29/2011

Reviewed on 06/29/2011

Trade name: Mega Sol

(Contd. of page 2)

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide and carbon dioxide (CO,CO₂)
Sulphur oxides (SOX)
In certain fire conditions, traces of other toxic gases cannot be excluded.
- **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.
Avoid formation of dust.
- **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.
Dispose of the collected material according to regulations.
- **Reference to other sections**
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.
Prevent formation of dust.
Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
Avoid contact with eyes and skin.
- **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.
Unsuitable material for receptacle: aluminium.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from humidity and water.
Time of storage: max. 24 month

USA

(Contd. on page 4)

Printing date 06/29/2011

Reviewed on 06/29/2011

Trade name: **Mega Sol**

(Contd. of page 3)

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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored 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
Wash hands before breaks and at the end of work.
Do not eat, drink, smoke or sniff while working.
Avoid contact with the eyes and skin.
Do not inhale dust / smoke / mist.
Vacuum clean contaminated clothing. Do not blow or brush off contamination.
- **Breathing equipment:**
Not necessary if room is well-ventilated.
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:** Tightly sealed goggles.
- **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
- **pH-value (10 g/l) at 20°C (68°F):** ~ 11.3
- **Change in condition**

Melting point/Melting range:	undetermined
Boiling point/Boiling range:	not applicable
- **Flash point:** Not applicable

(Contd. on page 5)

USA

Printing date 06/29/2011

Reviewed on 06/29/2011

Trade name: **Mega Sol**

(Contd. of page 4)

· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density:	Not determined
· Bulk density at 20°C (68°F):	~ 860 kg/m ³
· Solubility in / Miscibility with Water:	Easily soluble

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
Protect from humidity.
- **Possibility of hazardous reactions**
Reacts with acids
Corrodes aluminium
- **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:**

10213-79-3 sodium metasilicate pentahydrate

Oral	LD50	800 mg/kg (rat)
------	------	-----------------

68411-30-3 alkyl benzenesulfonic acid sodium salts

Oral	LD50	2550 mg/kg (rat)
------	------	------------------

69011-36-5 isotridecanol, oxethylated

Oral	LD50	> 2000 mg/kg (rat)
------	------	--------------------

497-19-8 sodium carbonate

Oral	LD50	> 2000 mg/kg (rat)
------	------	--------------------

- **Primary irritant effect:**
- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Corrosive
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.

(Contd. on page 6)

USA

Printing date 06/29/2011

Reviewed on 06/29/2011

Trade name: **Mega Sol**

(Contd. of page 5)

- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Our products are ultimately biodegradable according to criteria as laid down in Regulation (EC) No. 648/2004 on detergents. The test methods of ultimate biodegradability (mineralisation) are:
Norm EN ISO 14593, OECD 301 B, OECD 301 C, OECD D and OECD 301 F
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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

- **DOT regulations:**



- **Hazard class:** 8
- **Identification number:** UN3262
- **Packing group:** III
- **Proper shipping name (technical name):** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (DISODIUM TRIOXOSILICATE)
- **Label:** 8

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 8 (C6) Corrosive substances
- **Danger code (Kemler):** 80
- **UN-Number:** 3262
- **Packaging group:** III
- **UN proper shipping name:** 3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (DISODIUM TRIOXOSILICATE)

- **Maritime transport IMDG:**



- **IMDG Class:** 8
- **UN Number:** 3262

(Contd. on page 7)

USA

Printing date 06/29/2011

Reviewed on 06/29/2011

Trade name: Mega Sol

(Contd. of page 6)

- **Label** 8
- **Packaging group:** III
- **EMS Number:** F-A,S-B
- **Propper shipping name:** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (DISODIUM TRIOXOSILICATE)

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 3262
- **Label** 8
- **Packaging group:** III
- **Propper shipping name:** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (DISODIUM TRIOXOSILICATE)

- **Special precautions for user** Warning: Corrosive substances

15 Regulatory information

- **Canadian substance lists**

- **Canadian domestic substances 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%):**

497-19-8	sodium carbonate
68411-30-3	alkyl benzenesulfonic acid sodium salts

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

- **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.

(Contd. on page 8)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 06/29/2011

Reviewed on 06/29/2011

Trade name: **Mega Sol**

(Contd. of page 7)

- **Cancerogenity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

- **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

- **National regulations**

- **Other regulations, limitations and prohibitive regulations**

The product has been designed for professional use only.

- **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 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.

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.

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