

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/13/2019

Reviewed on 05/13/2019

1 Identification

- **Product identifier**
- **Trade name:** Conostan Standard S-21 100 PPM
- **Article number:** CONOSTAN-6
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Aqua Solutions, Inc.
6913 Highway 225
DEER PARK, TX 77536
USA
800-256-2586
- **Information department:**
Technical Coordinator
Sherman Nelson sherman@aquasolutions.org
- **Emergency telephone number:**
Chemtrec: 800-424-9300
Canutec: 613-996-6666



2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonized System (GHS).

 - **Label elements**
 - **GHS label elements** Not Applicable
 - **Hazard pictograms** Not Applicable
 - **Signal word** Not Applicable
 - **Hazard statements** Not Applicable
 - **Precautionary statements**
If swallowed: Call a poison center/doctor if you feel unwell.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Store in a closed container.
Dispose of contents/container in accordance with local/regional/national/international regulations.
 - **Classification system:**
 - **NFPA ratings (scale 0 - 4)**
- | | |
|--|--|
| | Health = 0
Fire = 1
Reactivity = 0 |
|--|--|
- **HMIS-ratings (scale 0 - 4)**
- | | | |
|------------|---|----------------|
| HEALTH | 0 | Health = 0 |
| FIRE | 1 | Fire = 1 |
| REACTIVITY | 0 | Reactivity = 0 |
- **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

US

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/13/2019

Reviewed on 05/13/2019

Trade name: Conostan Standard S-21 100 PPM

(Contd. of page 1)

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 7440-43-9	cadmium Metal	<0.1%
----------------	---------------	-------

- **Table of Nonhazardous Ingredients**

CAS: 8042-47-5	White mineral oil, petroleum	>99.3%
----------------	------------------------------	--------

CAS: 100-00-0	Proprietary, non-hazardous material	<0.5%
---------------	-------------------------------------	-------

CAS: 7440-02-0	nickel	<0.1%
----------------	--------	-------

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **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.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

CAS: 7440-43-9	cadmium Metal	0.10 mg/m ³
----------------	---------------	------------------------

- **PAC-2:**

CAS: 7440-43-9	cadmium Metal	0.76 mg/m ³
----------------	---------------	------------------------

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/13/2019

Reviewed on 05/13/2019

Trade name: Conostan Standard S-21 100 PPM

(Contd. of page 2)

· PAC-3:

CAS: 7440-43-9 cadmium Metal

4.7 mg/m³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

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:

CAS: 7440-43-9 cadmium Metal

PEL	Long-term value: 0.005 mg/m ³ as Cd; see 29 CFR 1910.1027
REL	See Pocket Guide App. A
TLV	Long-term value: 0.01 0.002* mg/m ³ as Cd; *respirable fraction; BEI

· Ingredients with biological limit values:

CAS: 7440-43-9 cadmium Metal

BEI	5 µg/g creatinine LD50 Intraperitoneal: urine Time: not critical LD50: Cadmium (background)
	5 µg/L LD50 Intraperitoneal: blood Time: not critical LD50: Cadmium (background)

- **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.
- **Breathing equipment:** Not required.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/13/2019

Reviewed on 05/13/2019

Trade name: Conostan Standard S-21 100 PPM

(Contd. of page 3)

· **Protection of hands:**



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling.

· **Body protection:** Protective work clothing

9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form:	Liquid
Color:	Oily Brown
Odor:	Odorless
Odor threshold:	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range:	-9 °C (15.8 °F)
Boiling point/Boiling range:	218 °C (424.4 °F)

· **Flash point:** >112 °C (>233.6 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

· **Vapor pressure at 20 °C (68 °F):** 0.11 hPa (0.1 mm Hg)

Density:	Not determined.
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.

(Contd. on page 5)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/13/2019

Reviewed on 05/13/2019

Trade name: Conostan Standard S-21 100 PPM

(Contd. of page 4)

- | | |
|---|--|
| · Solubility in / Miscibility with Water: | Not miscible or difficult to mix. |
| · Partition coefficient (n-octanol/water): | >0.77815 |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic at 40 °C (104 °F): | 68 mm ² /s |
| · Solvent content: | |
| VOC content: | 0.00 %
0.0 g/l / 0.00 lb/gal |
| Solids content: | <0.1 % |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **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: 7440-43-9 cadmium Metal

Oral	LD50	100 mg/kg (ATE)
Inhalative	LC50/4h	0.5 mg/l (ATE)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

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.

- **Carcinogenic categories**

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

CAS: 7440-43-9 cadmium Metal

I

- **NTP (National Toxicology Program)**

CAS: 7440-43-9 cadmium Metal

K

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/13/2019

Reviewed on 05/13/2019

Trade name: Conostan Standard S-21 100 PPM

(Contd. of page 5)

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

CAS: 7440-43-9 cadmium Metal

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:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
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:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|--------------------------------|
| · UN-Number | |
| · DOT, IMDG, IATA | Not regulated |
| · UN proper shipping name | |
| · DOT, IATA | Not regulated |
| · IMDG | Not Regulated
Not regulated |
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | Not regulated |
| · Packing group | |
| · DOT, IMDG, IATA | Not regulated |
| · 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. |

(Contd. on page 7)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/13/2019

Reviewed on 05/13/2019

Trade name: Conostan Standard S-21 100 PPM

(Contd. of page 6)

· UN "Model Regulation":	Not regulated
---------------------------------	---------------

15 Regulatory information

- 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):
--

CAS: 7440-43-9	cadmium Metal
----------------	---------------

· TSCA (Toxic Substances Control Act):

White mineral oil, petroleum	ACTIVE
------------------------------	--------

cadmium Metal	ACTIVE
---------------	--------

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

CAS: 7440-43-9	cadmium Metal
----------------	---------------

· Chemicals known to cause reproductive toxicity for females:
--

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:
--

CAS: 7440-43-9	cadmium Metal
----------------	---------------

· Chemicals known to cause developmental toxicity:

CAS: 7440-43-9	cadmium Metal
----------------	---------------

· Carcinogenic categories

· EPA (Environmental Protection Agency)
--

CAS: 7440-43-9	cadmium Metal
----------------	---------------

BI

· TLV (Threshold Limit Value established by ACGIH)

CAS: 7440-43-9	cadmium Metal
----------------	---------------

A2

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

CAS: 7440-43-9	cadmium Metal
----------------	---------------

- GHS label elements Not Applicable

- Hazard pictograms Not Applicable

- Signal word Not Applicable

- Hazard statements Not Applicable

- **Precautionary statements**

If swallowed: Call a poison center/doctor if you feel unwell.

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Store in a closed container.

Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/13/2019

Reviewed on 05/13/2019

Trade name: Conostan Standard S-21 100 PPM

(Contd. of page 7)

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

· **Department issuing SDS:** Environment protection department.

· **Contact:**

· **Date of preparation / last revision**

Revision 0.0, 05-13-2019: Creation date for SDS. STN

05/13/2019 / -

· **Abbreviations and acronyms:**

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

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

BEI: Biological Exposure Limit