Printing date 08/15/2024

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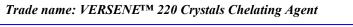
Product identifier	~~~~	
<i>Trade name: VERSENE™ 220 Crystals Chelating A</i> , <i>Article number: V3600</i> <i>CAS Number:</i> <i>13235-36-4</i> <i>EC number:</i> <i>200-573-9</i> <i>Index number:</i> <i>607-428-00-2</i>	<u>gent</u>	AQUA
• Details of the supplier of the safety data sheet • Manufacturer/Supplier: Aqua Solutions, Inc. 6913 Highway 225 DEER PARK, TX 77536 USA 800-256-2586		
• Information department: Technical Coordinator Sherman Nelson shermann@aquasolutions.org Technical Coordinator Sherman Nelson shermann@aquasolutions.org • Emergency telephone number:		
<i>Chemtrec:</i> 800-424-9300 <i>Canutec:</i> 613-996-6666		
Chemtrec: 800-424-9300		
Chemtrec: 800-424-9300 Canutec: 613-996-6666 PHazard(s) identification		
Chemtrec: 800-424-9300 Canutec: 613-996-6666 PHazard(s) identification		
Chemtrec: 800-424-9300 Canutec: 613-996-6666 Chazard(s) identification Classification of the substance or mixture	• H373	May cause damage to organs throug prolonged or repeated exposure.
Chemtrec: 800-424-9300 Canutec: 613-996-6666 Characteristic Constraints of the substance or mixture GHS08 Health hazard	9 H373	
Chemtrec: 800-424-9300 Canutec: 613-996-6666 Classification of the substance or mixture GHS08 Health hazard Specific Target Organ Toxicity - Repeated Exposure 2	H373 H318	
Chemtrec: 800-424-9300 Canutec: 613-996-6666 Classification of the substance or mixture GHS08 Health hazard Specific Target Organ Toxicity - Repeated Exposure 2 GHS05 Corrosion		prolonged or repeated exposure.
Chemtrec: 800-424-9300 Canutec: 613-996-6666 Classification of the substance or mixture GHS08 Health hazard Specific Target Organ Toxicity - Repeated Exposure 2 GHS05 Corrosion Eye Damage 1		prolonged or repeated exposure.
Chemtrec: 800-424-9300 Canutec: 613-996-6666 Classification of the substance or mixture GHS08 Health hazard Specific Target Organ Toxicity - Repeated Exposure 2 GHS05 Corrosion Eye Damage 1 GHS07	<i>H318</i>	Causes serious eye damage.

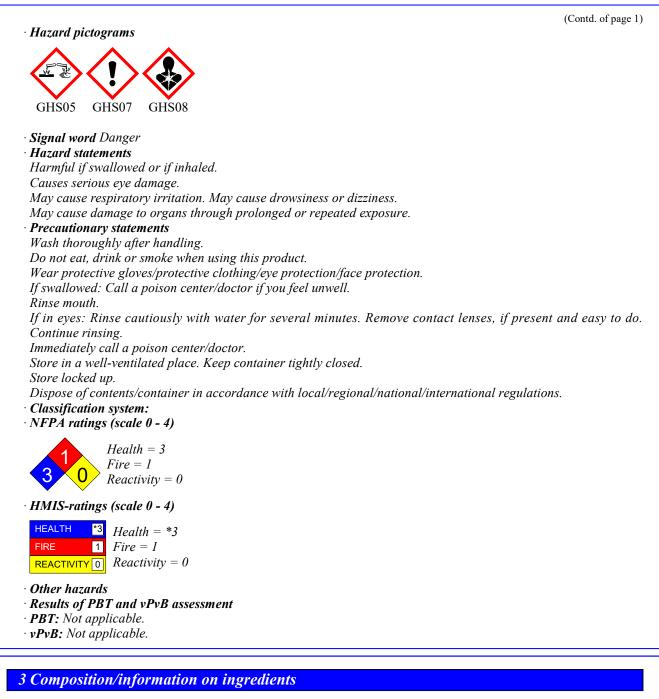
· Label elements

Label elements
GHS label elements The substance is classified and labeled according to the Globally Harmonized System (GHS). (Contd. on page 2)

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· Chemical characterization: Substances

· CAS No. Description

CAS: 13235-36-4 E.D.T.A. Tetrasodium Salt Tetrahydrate, Reagent Grade

· Identification number(s)

- · EC number: 200-573-9
- · Index number: 607-428-00-2

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4 First-aid measures

- · Description of first aid measures
- · General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

- *After skin contact: Generally the product does not irritate the skin.*
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: Immediately call a 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: Mouth respiratory protective device.

6 Accidental release measures

• *Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.*

- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:

Use neutralizing agent. Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

- · 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: Substance is not listed.
- · PAC-2: Substance is not listed.
- **PAC-3:** Substance is not listed.

7 Handling and storage

· Handling:

- · Precautions for safe handling
- Thorough dedusting.
- Ensure good ventilation/exhaustion at the workplace.
- Information about protection against explosions and fires: No special measures required.

(Contd. on page 4)

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Trade name: VERSENETM 220 Crystals Chelating Agent

(Contd. of page 3)

- · 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 section 7.
- · Control parameters
- · Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

• Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

• 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.

· 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:



Tightly sealed goggles

· Body protection: Protective work clothing

(Contd. on page 5)

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(Contd. of page 4)

Change in condition Melting point/Melting range:>150 °C (>302 °F) Boiling point/Melting range:Flash point:>100 °C (>212 °F)Flammability (solid, gaseous):Product is not flammable.Decomposition temperature:Not determined.Ignition temperature:Not determined.Ignition temperature:Not determined.Danger of explosion:Product does not present an explosion hazard.Explosion limits: Lower:Not determined.Upper:Not determined.Vapor pressure:Not applicable.Density at 20 °C (68 °F):1.67 g/cm³ (13.93615 lbs/gal)Relative densityNot applicable.Vapor densityNot applicable.Solubility in / Miscibility with Water at 20 °C (68 °F):38 g/lPartition coefficient (n-octanol/water): Not determined.Viscosity:	Information on basic physical and o	chemical properties
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Viscosity:		38 g/l
	Partition coefficient (n-octanol/wate	er): Not determined.
Dynamic: Not applicable		
	Dynamic:	Not applicable.
Kinematic: Not applicable.	Kinematic:	Not applicable.

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.

(Contd. on page 6)

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11 Toxicological information

- · Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:

Oral LD50 500 mg/kg (ATE)

Inhalative LC50/4h 1.5 mg/l (ATE)

- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: Strong irritant with the danger of severe eye injury.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) Substance is not listed.
- · 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:
- 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. Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

- · 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:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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

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Transport information		
UN-Number DOT, ADN, IMDG, IATA	Not regulated	
UN proper shipping name DOT, ADN, IMDG, IATA	Not regulated	
Transport hazard class(es)		
DOT, ADN, IMDG, IATA Class	Not regulated	
Packing group DOT, IMDG, IATA	Not regulated	
Environmental hazards: Marine pollutant:	No	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.	
Transport/Additional information:		
DOT Remarks:	Not Regulated	
IMDG Remarks:	Not Regulated	
IATA Remarks:	Not Regulated	
UN "Model Regulation":	Not regulated	

15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

· Sara

- Section 355 (extremely hazardous substances): Substance is not listed.
- Section 313 (Specific toxic chemical listings): Substance is not listed.
- TSCA (Toxic Substances Control Act):
- · Hazardous Air Pollutants Substance is not listed.
- · Proposition 65
- · Chemicals known to cause cancer: Substance is not listed.
- Chemicals known to cause reproductive toxicity for females: Substance is not listed.
- · Chemicals known to cause reproductive toxicity for males: Substance is not listed.
- · Chemicals known to cause developmental toxicity: Substance is not listed.
- · Carcinogenic categories
- · EPA (Environmental Protection Agency) Substance is not listed.
- TLV (Threshold Limit Value) Substance is not listed.
- · NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.
- GHS label elements The substance is classified and labeled according to the Globally Harmonized System (GHS).

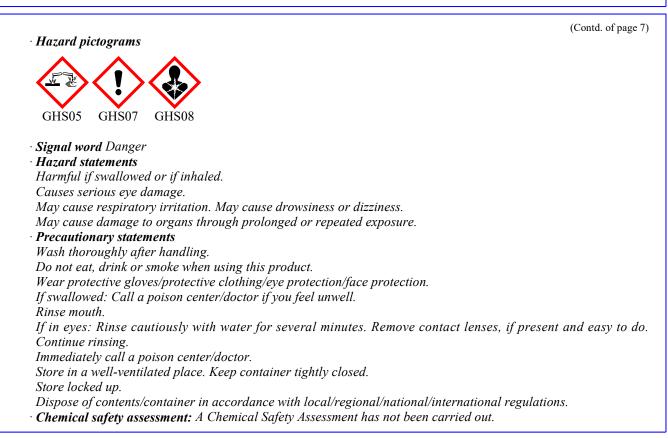
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16 Other information

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: · Date of preparation / last revision Revision 1.2, 08-15-2024: Reviewed SDS for accuracy. STN/GW 08/15/2024 / 1.1 · Abbreviations and acronyms: 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 CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) 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 Acute Toxicity - Oral 4: Acute toxicity - Category 4 Eye Damage 1: Serious eye damage/eye irritation - Category 1 Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

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Safety Data Sheet acc. to OSHA HCS

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(Contd. of page 8) Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2 • * Data compared to the previous version altered.