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Reviewed on 08/10/2023

1 Identification

- · Product identifier
- · Trade name: Sand, White 20-30 Mesh ASTM C-778
- Article number: FX-S708-3
- CAS Number: 14808-60-7
- *EC number:* 238-878-4
- 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
 Emergency telephone number:
- Chemtrec: 800-424-9300 Canutec: 613-996-6666

2 Hazard(s) identification

· Classification of the substance or mixture



Carcinogenicity 1A H350 May cause cancer. Specific Target Organ Toxicity - Repeated Exposure 1 H372 Causes damage to organs through prolonged or repeated exposure.

· Label elements

• *GHS label elements* The substance is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms*



Signal word Danger
Hazard statements
May cause cancer.
Causes damage to organs through prolonged or repeated exposure.

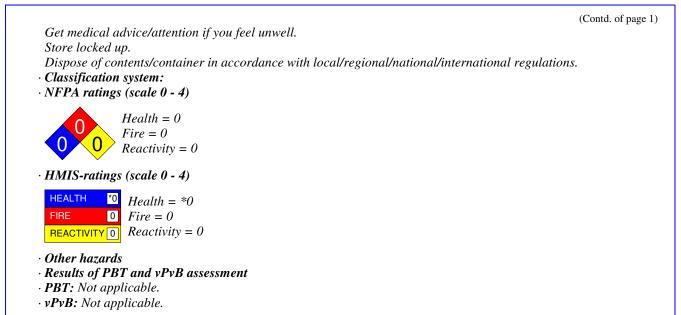
Precautionary statements
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.



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3 Composition/information on ingredients

- Chemical characterization: Substances • CAS No. Description
- CAS: 14808-60-7 Crystalline Silica, Quartz
- · Identification number(s)
- EC number: 238-878-4

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; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · 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.

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- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- · Environmental precautions: No special measures required.
- *Methods and material for containment and cleaning up:* 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: 0.075 mg/m³
- · PAC-2: 33 mg/m³
- · PAC-3: 200 mg/m³

7 Handling and storage

- · Handling:
- Precautions for safe handling 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: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · 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:

CAS: 14808-60-7 Crystalline Silica, Quartz

PEL Long-term value: 0.05* mg/m³ *resp. dust; 30mg/m3/%SiO2+2

- REL Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
- *TLV* Long-term value: 0.025* mg/m³ *respirable particulate matter, A2

• 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.

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· Odor:

· pH-value:

· Flash point:

· Odor threshold:

· Change in condition

• Ignition temperature: • Danger of explosion:

• Explosion limits: Lower:

Melting point/Melting range:

Boiling point/Boiling range:

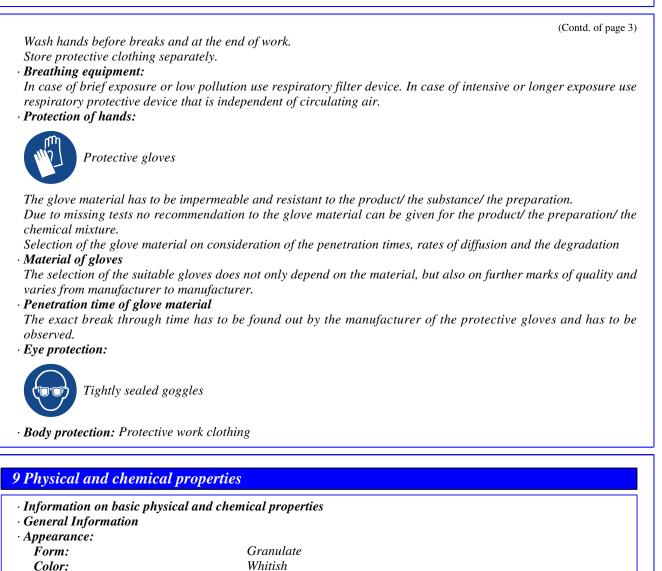
Flammability (solid, gaseous):
 Decomposition temperature:

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Odorless

Not determined.

Not applicable.

Undetermined.

Undetermined.

Not applicable.

Not determined. Not determined.

Not determined.

Product is not flammable.

Product does not present an explosion hazard.

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Upper:	Not determined.
· Vapor pressure at 1732 °C (3,149.6 °F).	: 13.5 hPa (10.1 mm Hg)
Density at 20 °C (68 °F):	2.2-2.6 g/cm ³ (18.359-21.697 lbs/gal)
Bulk density:	$1,400 \text{ kg/m}^3$
Relative density	Not determined.
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water:	Not determined.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
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:
- · Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- · Additional toxicological information:
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) 1
- · NTP (National Toxicology Program) K
- · 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.

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· Mobility in soil No further relevant information available.

- · Additional ecological information:
- · General notes: Not hazardous for water.
- · 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.

· 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 II of	c
MARPOL73/78 and the IBC Code	Not applicable.
· 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): Substance is not listed.
- Section 313 (Specific toxic chemical listings): Substance is not listed.
- · TSCA (Toxic Substances Control Act): ACTIVE
- · Hazardous Air Pollutants Substance is not listed.

· Proposition 65

- · Chemicals known to cause cancer: Substance is 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.

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Chemicals known to cause developmental toxicity: Substance is not listed.	
Carcinogenic categories	
EPA (Environmental Protection Agency) Substance is not listed.	
TLV (Threshold Limit Value) A2	
NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is listed.	
GHS label elements The substance is classified and labeled according to the Globally Harm	onized System (GHS
Hazard pictograms	
GHS08	
Signal word Danger	
Hazard statements	
May cause cancer.	
Causes damage to organs through prolonged or repeated exposure.	
Precautionary statements	
Obtain special instructions before use.	
Do not handle until all safety precautions have been read and understood.	
Do not breathe dust/fume/gas/mist/vapors/spray.	
Wash thoroughly after handling.	
Do not eat, drink or smoke when using this product.	
Wear protective gloves/protective clothing/eye protection/face protection.	
<i>IF exposed or concerned: Get medical advice/attention.</i>	
Get medical advice/attention if you feel unwell.	
Store locked up.	1
Dispose of contents/container in accordance with local/regional/national/international regul	ations.
National regulations:	
Additional classification according to Decree on Hazardous Materials:	
Carcinogenic hazardous material group I (extremely dangerous).	
Carcinogenic hazardous material group II (very dangerous).	
Carcinogenic hazardous material group III (dangerous).	
Information about limitation of use:	
Workers are not allowed to be exposed to this hazardous material. Exceptions can be made	e by the authorities
certain cases.	
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 1.0, 08/10/2023: Reviewed SDS for Accuracy.. STN Creation date for SDS 08-19-2015. STN 08/10/2023
 Abbreviations and acronyms:
- ADDreviations 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

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CAS: Chemical Abstracts Service (division of the American Chemical Society)	
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (USA)	
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	
Carcinogenicity 1A: Carcinogenicity – Category 1A	
Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1	
\cdot * Data compared to the previous version altered.	