

Safety Data Sheet

1. IDENTIFICATION

Product Identifier	WTZ 100
Other means of identification	
Synonyms	Chabazite
Manufacturer/Importer/Supplier/Distributor Information	
Manufacturer	
Address	Fluid Tech LLC 146 Industrial Park Road Sweetwater, TN 37874 USA
Telephone	(800) 995-5691
Facsimile	(800) 994-8561
Website	www.fluidtechllc.com
Email address	gbroda@fluidtechllc.com
Emergency Phone	Contact Local Poison Control Center
Recommended Use	Water Filtration, Sorbent, Odor Control/Desiccant, Flow Agent
Recommended Restrictions	Not FDA approved for human consumption

2. HAZARD(S) IDENTIFICATION

Physical hazards	May cause eye, skin and respiratory irritation.
Health hazards	See below hazard statements
Environmental hazards	Not classified.
OSHA defined hazards (GHS-US Classification)	
	Oral Toxicity 5 H303
	Skin Irritant 3 H316
	Eye Irritant 2B H320
	STOT SE 3 H335

Label elements

Pictograms:



Signal words:

Warning

Hazard statements

H303 – May be harmful if swallowed.
H316 – Causes mild skin irritation.
H320 – Causes eye irritation.
H335 – May cause respiratory irritation.

Precautionary Statement

Prevention:

P261 – Avoid breathing dusts.
P264 – Wash hands, forearms & exposed areas thoroughly after handling.
P280 – Wear eye/face protection & protective gloves. Wear safety glasses or chemical goggles. Wear plastic,

rubber or cotton gloves. Refer to 29 CFR 1910.133 or European Standard EN166.

P284 – Wear respiratory protection. Use NIOSH approved dust mask or respirator where dust occurs. Refer to 29 CFR 1910.134 or European Standard EN149.

P285 – In case of inadequate ventilation, wear respiratory protection.

Response

P301+P312 – IF SWALLOWED: Call a poison center or doctor if you feel unwell.

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P332+P313 – If skin irritation persists, get medical advice/attention.

P304+P341 – IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P304+P312 – IF INHALED: Call a poison center or doctor if you feel unwell.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

None.

Disposal

P501 – Dispose of contents/container in accordance with local, regional, national and international regulations.

Hazard(s) not otherwise classified (HNOC)

May contain greater than 0.10% free silica. Crystalline silica was not detected by X-Ray Defraction Analysis but may be present above the notification level of 0.10%. *(Crystalline silica is considered a hazard by inhalation. During October, 1996, IARC reviewed the literature for polymorphs of crystalline silica and determined that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobolite from occupational sources.)*

Does not contain asbestos or fibrous zeolite minerals.

Supplemental information

Unknown Acute Toxicity

(GHS-US):

No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name	Product Identifier	%	GHS-US Classification
Anhydrous Sodium Aluminosilicate	(CAS No.) 1318-02-1	100	Oral Toxicity 5, H303 Skin Irrit. 3, H316 Eye Irrit. 2B, H320 STOT SE 3, H335
Natural Herschelite - Sodium Chabazite			

Note: Full text of H-phrases: See Section 16

4. FIRST-AID MEASURES

Inhalation	Move subject to fresh air. Rinse mouth & nasal passages with water. If irritation persists or worsens, seek medical attention.
Skin contact	Rinse with water. Use hand moisturizer to sooth dryness. If irritation persists or worsens, seek medical attention.
Eye contact	Remove contact lenses. Flush eyes with water for 15 minutes. If irritation persists or worsens, seek medical attention.
Ingestion	Move subject to fresh air. Rinse mouth & nasal passages with water. If irritation persists or worsens, seek medical attention.

Most important symptoms/effects, acute and delayed

Symptoms/Injuries after Ingestion:	May cause dry cough, slight nausea.
Symptoms/Injuries after Skin Contact:	Causes dry, rough skin.
Symptoms/Injuries after Eye Contact:	Causes eye irritation, potential corneal scratching.
Symptoms/Injuries after Inhalation:	May cause dry cough.

Notes to Physicians:

Fluid Tech LLC Natural Zeolite has no additives or materials that require special treatment. Some Fluid Tech LLC products, however, are treated to enhance their use for special applications.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Not applicable.
Unsuitable extinguishing media	Not applicable.
Specific hazards arising from the chemical	The product is not combustible or flammable.
Special protective equipment and precautions for firefighters	Not applicable.
Fire fighting equipment/instructions	In case of fire: Evacuate area. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	General: No known adverse effects to the environment. Avoid breathing dust. Wear eye/face protection & protective gloves. Wear respiratory protection. Refer to Section 2 – Hazards Identification, Precautionary Statements.
For Emergency Personnel:	Protective Equipment: Use appropriate personal protection equipment (PPE). Emergency Procedures: Ventilate area.
For Non-Emergency Personnel:	Protective Equipment: Use appropriate personal protection equipment (PPE). Emergency Procedures: Evacuate unnecessary personnel.
Methods and materials for containment and cleaning up	Containment: Sweep, scoop, or vacuum discharged material. Clean-Up: Landfill according to local, state, national and international regulations.
Environmental precautions	There are no known adverse effects to the environment.

7. HANDLING AND STORAGE

Precautions for safe handling

Conditions for safe storage, including any incompatibilities

Hygiene Measures

- Keep container closed when not in use.
- Keep out of the reach of children.
- Store in a cool, dry area. Do not allow water to contact the product until time of use to preserve product utility.
- Keep container closed when not in use.
- Protect containers from abuse.
- Handle in accordance with good industrial hygiene and safety procedures. Wash hands with mild soap and water before eating, drinking or smoking and again when leaving work.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

USA ACGIH:

Values have not been established

Recommended Threshold Limit:

Ceiling Limit = 15 mg/m³ total dust
5mg/m³ Respirable Fraction

Exposure Analysis Method:

Respirable Sampler or Midget Impinger

See: J. Am. Ind. Hyg. Assoc., 28:554 (1967)

Exposure Controls

Appropriate Engineering Controls:

Ensure all national/local regulations are observed.

Personal Protective Equipment:

Wear eye/face protection, protective gloves and respiratory protection.

Eye Protection:

Wear safety glasses or chemical goggles.

Hand Protection:

Wear plastic, rubber or cotton gloves.

Respiratory Protection:

If exposure limits are exceeded or irritation is experienced, wear NIOSH approved respiratory protection.

Thermal Hazard Protection:

N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical & Chemical Properties	Chabazite
Appearance	Dry Granules & Powders.
Physical state	Pulverized Rock.
Color	Yellowish, Reddish, Tan.
Odor	Odorless.
Odor threshold	No Threshold.
pH	Not Applicable (<i>Aqueous Liquids Only</i>).
Melting point/freezing point	Not applicable/ No Data Available.
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Flammability limit – lower (%)	Non-flammable.
Flammability limit - upper (%)	Non-flammable.
Explosive limit - lower (%)	Not applicable.

Physical & Chemical Properties	Chabazite
Explosive limit - upper (%)	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	No Data Available.
Bulk density	No Data Available.
Solubility (water)	Negligible.
Auto-ignition temperature	No Data Available.
Decomposition temperature	No Data Available.
Viscosity, dynamic @ 20 C	Not applicable.
Other information	None Available.
Percent volatile	Not applicable.
Specific gravity	N/A (<i>Liquids Only</i>).

10. STABILITY AND REACTIVITY

Reactivity	Products are not considered flammable or combustible.	
Chemical stability	Stable. No stabilizers needed. No safety issues.	
Conditions to avoid	N/A	
Incompatible materials	No materials to avoid.	
Hazardous decomposition products	N/A	
NFPA Hazard Ratings:	Health Hazard: 1	Flammability Hazard: 0
	Reactivity: 0	Special Hazard: None

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Symptoms related to the physical, chemical and toxicological characteristics

	Symptoms – Low Exposure	Symptoms – Severe Exposure
Inhalation	Respiratory irritation	Shortness of breath
Skin contact	Dry skin	Chapping
Eye contact	Itchy, irritated eyes	Corneal abrasions
Ingestion	Dry cough	Gagging

Information on toxicological effects

Acute toxicity	Not Classified
Skin corrosion/irritation	See Symptoms above
Serious eye damage/eye irritation	See Symptoms above
Respiratory or skin sensitization	
Respiratory sensitization	See Symptoms above
Skin sensitization	See Symptoms above
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	
IARC Monographs. Overall Evaluation of Carcinogenicity	Not Listed as potential carcinogen in IARC Monographs



OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not Listed as potential carcinogen by OSHA

US. National Toxicology Program (NTP) Report on Carcinogens

Not Listed on NTP Report on Carcinogens

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity – single exposure

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

Undocumented

Aspiration hazard

Not available.

Chronic effects

Prolonged inhalation may be harmful.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available. None of the ingredients are classified as a marine pollutant.

13. DISPOSAL CONSIDERATIONS

Refer to “40 CFR Protection of Environment Parts 260-299” for complete waste disposal regulations. Consult your local, state or federal environmental protection agency before disposing of any chemicals.

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/ unused products

Material should be recycled if possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations. Can be landfilled, when in compliance with local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT

Not regulated as dangerous goods.

Canadian TDG

Not restricted

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Other Transportation Information



DOT Shipping Name: Non-Hazardous for Transport
Hazard Symbols: None

15. REGULATORY INFORMATION

US federal regulations

All components of this product are not listed on the U.S. Toxic Substances Control Act Chemical Inventory or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 304 Emergency release notification

Not regulated.

SARA 311/312 Hazardous chemical

Yes.

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

California Prop 65, Safe Drinking Water & Toxic Enforcement Act of 1986

There are no chemicals present known to the State of California to cause cancer or reproductive toxicity.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

EPA RCRA Hazardous Waste Classification

If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.

International regulations

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: Not controlled

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 3.

DSL/NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)



Components of this product identified by CAS number are not listed on the DSL or NDSL or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2, unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances unless indicated as "not found".

WGK Water Quality Index: nwg

VbK Index: Not Applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date June 5, 2015
Revision date November 6, 2018
Version # 01
Further information This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Oral Toxicity 5	Acute Toxicity, Oral – Category 5
Skin Irritant 3	Skin Corrosion/Irritation – Category 3
Eye Irritant 2B	Serious Eye Damage/Irritation – Category 2B
STOT SE 3	Respiratory tract irritation – Category 3

Notes & Full R-Phrase Text: R20: Harmful by inhalation
R36, R37, R38: Irritating to eyes, respiratory system and skin

HMIS III Ratings: Health = 1 Flammability = 0
Physical Hazard = 0 Personal Safety Equipment = E

Definitions: * = Chronic Health Hazard E = Safety Glasses, Gloves, Respirator
0 = Insignificant
1 = Slight
2 = Moderate
3 = High
4 = Extreme

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available.
MANUFACTURER DISCLAIMER: The information given within this SDS is correct to the best of our knowledge, information and belief at the date of its revision and publication. However, the manufacturer makes no representation, warranty or guarantee as to its accuracy, reliability or completeness, nor assumes any liability for its use. It is the user's responsibility to confirm in advance that the information is current, applicable and suitable to their circumstances for each particular use. No representative of ours has authority to waive this provision. Please call for document accuracy if the revision date has exceeded 3 years.

Revision Information Updated Section 1, address.