



Ultra-Aqua Bag Safety Data Sheet

Section 1. Identification

Product Name: Ultra-Aqua Bags

Recommended use: Spill control sandless sandbag

Restrictions on use: Use only as directed

Manufacturer Name: UltraTech International, Inc.
Address: 11542 Davis Creek Court
Jacksonville, FL 32256
Telephone number: (800) 353-1611

Section 2. Hazard(s) Identification

OSHA GHS Classification:

This product is classified as not hazardous under US OSHA Hazcom 2012 (29 CFR 1910.1200)

Labeling:

None required

Section 3. Composition / Information on Ingredients

Non-hazardous ingredients	Mixture	50-60%
Super Absorbent Polymer	Proprietary	30-50%
Polypropylene Nonwoven Fabric	Proprietary	1-10%

The specific identity and/or exact percentage (has been withheld as a trade secret.

Section 4. First-Aid Measures

No first aid is expected under normal use conditions. If the bags are broken and contents are exposed the following first may apply:

Inhalation: Remove to fresh air. Get medical attention if irritation or symptoms occur.

Skin contact: Wash skin with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation develops.

Eye contact: Flush eyes with water for several minutes while lifting the upper and lower lids. Get medical attention if irritation persists.

Ingestion: Rinse out mouth with water. Get medical attention if irritation or symptoms occur. Never give anything by mouth to an unconscious or drowsy person.

Most important symptoms/effects, acute and delayed: Dust may cause mechanical eye and skin irritation. Inhalation of dust may cause mild upper respiratory tract irritation and coughing.

Indication of immediate medical attention and special treatment, if necessary: None required under normal conditions of use.

Section 5. Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media: Use media appropriate for the surrounding fire.

Specific hazards arising from the chemical: The product is not flammable but may burn under fire conditions. Combustion may product carbon oxides and other hazardous materials.

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposure bags with water.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment.

Environmental precautions: Avoid release to the environment. Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: If bags are broken and contents are exposed, spray spilled material with water. Sweep up and place into a container for disposal. Use caution once water is applied. Product will become slippery. Wash spill area with water.

Section 7. Handling and Storage

Precautions for safe handling: None required under normal use. Avoid breathing dust. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities: Store in a cool area. Protect from physical damage.

Section 8. Exposure Controls / Personal Protection

Exposure guidelines:

Non-hazardous ingredients	1 mg/m ³ TWA ACGIH TLV (inhalable fraction)
Super Absorbent Polymer	None Established
Polypropylene Nonwoven Fabric	None Established

Appropriate engineering controls: None required.

Personal Protective Equipment:

Respiratory protection: None needed under normal use conditions. If bags are broken and conditions are dusty, a NIOSH approved dust/mist respirator may be used. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Skin protection: None required,

Eye protection: None required. If conditions are dusty, safety glasses or goggles may be used.

Other: None required.

Section 9. Physical and Chemical Properties

Appearance: Lightweight powder in a blue polypropylene nonwoven bag

Odor: Odorless

Odor threshold: Not available	pH: Not applicable
Melting point/freezing point: Not applicable	Initial boiling point and boiling range: Not applicable
Flash point: Not applicable	Evaporation rate: Not applicable
Flammability (solid, gas): Not flammable	
Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Not applicable	Vapor density: Not applicable
Relative density: Not available	Solubility (ies): Insoluble. Swells in contact with water.
Partition coefficient: n-octanol/water: Not applicable	Auto-ignition temperature: Not applicable
Decomposition temperature: Not applicable	Viscosity: Not applicable

Section 10. Stability and Reactivity

Reactivity: Not reactive.

Chemical stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: None known.

Incompatible materials: None known.

Hazardous decomposition products: Thermal decomposition may release oxides of carbon and other toxic materials.

Section 11. Toxicological Information

Acute effects of exposure:

Inhalation: None expected under normal conditions of use. If bags are broken and contents are exposed, inhalation of dust may cause upper respiratory tract irritation and coughing.

Ingestion: None expected under normal conditions of use.

Skin contact: None expected under normal conditions of use. Contact with contents from broken bags may cause mechanical irritation.

Eye contact: None expected under normal conditions of use. Contact with contents from broken bags may cause mechanical eye irritation with redness and tearing.

Chronic effects: None known.

Germ Cell Mutagenicity: None of the components are germ cell mutagens.

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental effects.

Carcinogenicity: None of the components of this product are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA.

Acute toxicity values:

Product: Oral rat LD50 >5000 mg/kg.

Section 12. Ecological Information

Ecotoxicity Data:

Product: No data available.

Persistence and degradability: No data available

Bioaccumulative potential: Not data available.

Mobility in soil: No data available.

Other adverse effects: None known.

Section 13. Disposal Considerations

Dispose in accordance with all local, state and federal regulations.

Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	N/A	Not Regulated	N/A	N/A	None
TDG	N/A	Not Regulated	N/A	N/A	None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

Section 15. Regulatory Information

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Refer to Section 2 for OSHA Hazard Classification.

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

EPA TSCA Inventory: This product is a manufactured article and not subject to chemical notification requirements.

Canadian CEPA: This product is a manufactured article and not subject to chemical notification requirements.

Section 16. Other Information

SDS Revision History: New SDS

Date of preparation: November 27, 2017

Date of last revision: None



ULTRATECH
INTERNATIONAL, INC.

Ultra-Aqua Bags

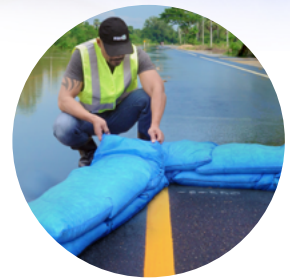


Click here!

Sandless sandbags protect property against floods, leaks, and other liquid emergencies

The Ultra-Aqua Bag is a revolutionary water barrier or sandless sandbag providing an effective solution for protecting property against floods, water heater leaks, broken pipes, overflowing toilets and other liquid emergencies.

- + Easy to use and transport - weighs less than a pound and measures 17" x 22" when dry. At full absorption they provide between 30 to 40 pounds of flood stopping weight.
- + Sturdy construction - Hydrophilic, non-woven fabric covers four layers of patented super-absorbent polymer.
- + Quick acting - In minutes, the bag absorbs water to 90% capacity, preventing floods and leakage from causing damage.
- + Engineered consistency - designed and built to maintain a consistent shape throughout the Bag. Other bags tend to slump to the bottom end when picked up, will not stack as well and are not as effective at sealing off water.



Optional staging pool can soak 15 bags at a time



Bags will absorb up to 4 gallons (40 lb equivalent) in just minutes



Part#	Description	Dimensions per Dry Bag in. (mm)	Dimensions per Full Absorbed Bag in. (mm)	Dimensions per 15-Pack in. (mm)	Absorption Capacity per Bag gal. (L)	Weight per Dry Bag lbs (kg)	Weight per Full Absorbed Bag lbs (kg)	Weight per 30-Pack lbs (kg)
5400	Ultra-Aqua Bags 15-Pack	22 x 17 x 1 (559 x 432 x 25)	20 x 16 x 4 (508 x 406 x 102)	22 x 19 x 11 (559 x 483 x 279)	Up to 4 (15)	0.33 (0.15)	Between 30 to 40 (14 to 18)	30.0 (13.5)

3512 Optional Staging Pool · 48" x 48" x 14" (1,219 x 1,219 x 356 mm) · 139 gal. (525 l) capacity · Can soak 15 Bags at one time

Frequently Asked Questions

Are Ultra-Aqua Bags reusable?

It depends on what is meant by “reusable”. The bags can be moved from one location to be reused at another location. However, they cannot be returned to their initial “pre-activated” state.

How long do the Ultra-Aqua Bags take to be fully activated/saturated?

Aqua Bags will be fully activated and ready to be used after approximately five minutes of water immersion.

Once filled, how long will Ultra-Aqua Bags last?

They will last/stay filled for 1-3 months, depending on temperature, humidity, environment, etc. The water will eventually leave the bag.

How much do Ultra-Aqua Bags weigh?

Pre-activated (dry), each Ultra-Aqua Bag weighs less than a pound. Once activated with water, each bag weighs between 30 lbs-40 lbs.

What is the staging pool for? Do I need one?

The staging pools is an optional accessory. It is a very portable pool that can be used to activate multiple Ultra-Aqua Bags at one time. Bags can be activated in buckets, bins, kiddie pools, etc. and do not require the staging pool. The staging pool is more convenient than other methods because it folds/rolls into an easy to carry, lightweight package.

Can Ultra-Aqua Bags be used with salt water?

Aqua Bags can be used as a water dam, flood barrier or water barrier to prevent salt water from getting to sensitive or valuable areas or spaces. However, they must first be activated with fresh water.

How long will Aqua Bags work?

Ultra-Aqua Bags can block water for as long as they are still filled. If it is warm temperature the bags can start to lose water in 1-3 months. In different cooler conditions, this could take in excess of three months. Due to many different conditions, including types of fresh water (city, lake, river, etc) it is hard to give an exact timeframe.

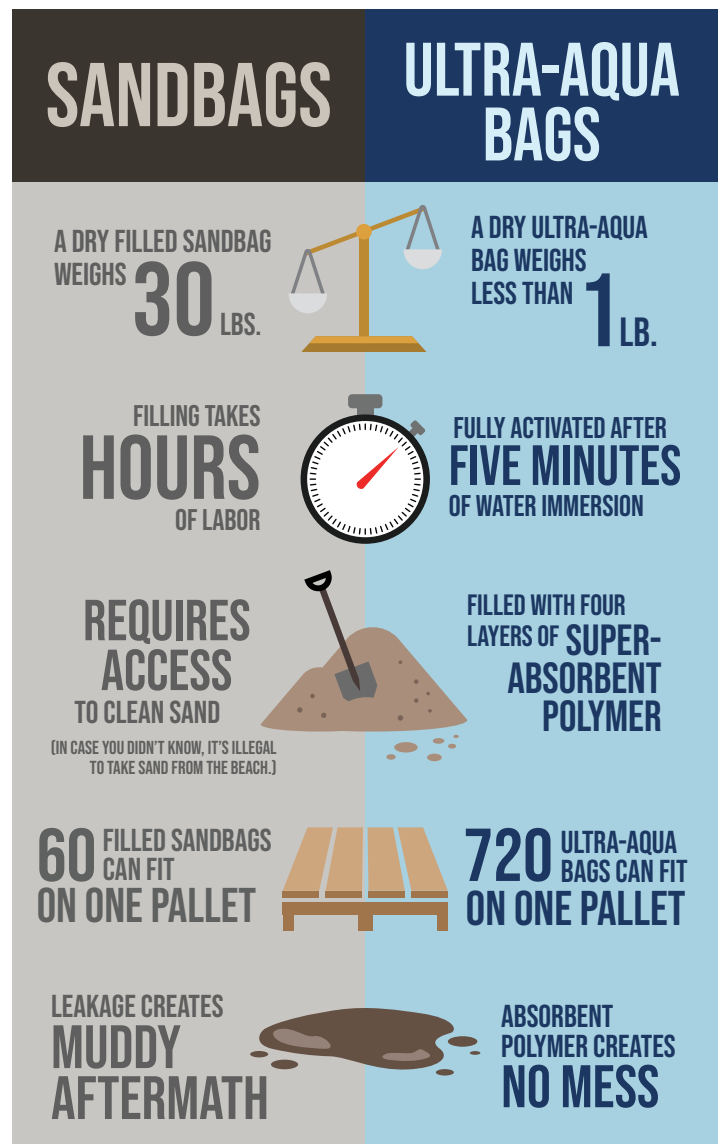
How long can I store Aqua Bags?

As long as they are stored in the bags they come in, the Ultra-Aqua Bags have a 10-year shelf life.

I need a lot of Aqua Bags! How many can ship on a single pallet?

The maximum number of cases that can ship on a single pallet is forty-eight (48).

Sandbags vs Ultra-Aqua Bags



See for yourself!

