

Section 1. Identification of the substance/mixture and of the company/undertaking**1.1 Product name:** QwikCheck® Liquid Chemical Indicator Solution**Synonyms:** None.**Composition:** An aqueous solution with sodium thiosulfate, acetic acid and 2,2'-Azino-bis (3-ethylbenzothiazoline-6-sulfonic acid) diammonium salt (ABTS).**Product code:** CS-202790**1.2 Relevant identified uses:** colorimetric indicator for peracetic acid in Ethos® Cleaner Disinfectant.**1.3 Supplier:** CS Medical, LLC

Service telephone: +1-(919) 255-9472

2179 East Lyon Station Road
Creedmoor, North Carolina 27522
United States of America

CS Medical email contact: info@csmedicalllc.com

1.4 Emergency Telephone: CHEMTREC Emergency telephone number: in USA (800) 424-9300, outside USA +1-(703) 527-3887**Section 2. Hazards identification****2.1 Classification of the mixture:****GHS Classification**

Mild Skin Irritation: 3

Eye Irritation: 2B

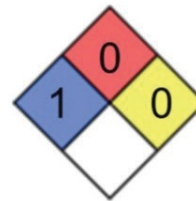
Signal Word: Warning

**NFPA Rating**

Health: 1

Flammability: 0

Reactivity: 0

**2.2 GHS Label Elements:**

Code	Hazard Statement
H316	Causes mild skin irritation
H320	Causes eye irritation
Code	Prevention Statement
264	Wash hands and skin thoroughly after handling
280	Wear protective gloves/protective clothing/eye protection/face protection
Code	Precautionary Statement
P302+P352	IF ON SKIN, wash with plenty of soap and water
P305+P351+P338	IF IN EYES rinse continuously with water for several minutes. Remove contact lenses if present. Continue rinsing.
P332+P317	IF SKIN irritation occurs: Get immediate medical help
P362+P364	Take off contaminated clothing and wash before reuse

2.3 Hazards not otherwise classified or not covered by GHS: None**Section 3. Composition/Information on ingredients****3.1 Mixtures**

Component	Weight %	CAS Number	OSHA
Acetic acid, glacial	0.1% - 0.5% (w/v)	64-19-7	Not listed
Sodium thiosulfate	0.1% - 0.5% (w/v)	7772-98-7	Not listed
2,2'-Azino-bis(3-ethylbenzothiazoline-6-sulfonic acid) diammonium salt (ABTS)	0.1% - 0.5% (w/v)	30931-67-0	Not listed
Water	99% (w/v)	7732-18-5	Not listed

Section 4. First aid measures

4.1 Description of first aid measures:

- 4.1.1 General information:** Remove contaminated, saturated clothing immediately. In the case of accident or illness, seek medical advice immediately (show directions for use or safety data sheet if possible).
- 4.1.2 If inhaled:** If breathed in, move individual to fresh air and call a physician to seek medical advice.
- 4.1.3 Following skin contact:** Wash immediately with soap and plenty of water. In case of skin irritation, consult a physician.
- 4.1.4 Following eye contact:** After contact with the eyes, flush with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- 4.1.5 Following ingestion:** Rinse mouth with water if conscious. Do not give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Seek medical attention.
- 4.1.6 Notes to first aider:** Provide first aid and decontaminate area. Seek medical attention if skin irritation takes place, or if eye contact or ingestion occurs. Pay attention to self-protection, wear gloves

4.2 Indications of immediate medical attention: Inhalation of liquid, exposure to eyes, or if skin exposure has resulted in irritation.

4.3 Notes to physician: Treat symptomatically.

Section 5. Firefighting measures

Flash point: Not applicable

Flammable limits: Not applicable.

Autoignition temperature: Not applicable

Explosion: Not normally an explosion hazard

5.1 Extinguishing media: Any means suitable for surrounding fire.

5.2 Special hazards arising from the substance or mixture: Hazardous combustion product could include vapors with sulfur oxides, sodium oxides, and acetates.

5.3 Advice for fire-fighters: Suppress gases/vapors/mist with a water spray jet. Wear a self-contained breathing apparatus and chemical protective clothing.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Avoid breathing vapors, mists, or gas. Use personal protective equipment: Wear gloves, laboratory coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this solution.

6.1.2 For emergency responders: Remove persons to safety. Isolate hazard area and restrict entry. Ventilate.

6.2. Engineering controls: Maintain eyewash fountain and quick-drench facilities in work areas.

6.3 Environmental precautions: Prevent further leakage or spillage if safe to do so. Wash into drain or sewer with excess water.

6.4 Methods and materials for containment and cleanup:

6.4.1 For containment: Absorb with a suitable absorbent (such as paper towels) and store in a suitable container. Rinse excess into drain or sewer with excess water. Dispose of according to local regulations. Prevent further leakage or spillage if safe to do so.

6.4.2 For cleanup: Clean contaminated surfaces thoroughly.

6.5 Reference to other sections: Personal protection equipment: See Section 8.

Section 7. Handling and storage

7.1 Precautions for safe handling while loading into machine: Put on personal protective equipment, including nitrile gloves. Remove the heat seal and lid of the unopened bottle of QwikCheck and place bottle upright into loading position. Position draw tube for dispensing. Tighten lid.

7.2 Conditions for safe storage, including incompatibilities: This product should be stored at between 59°F (15°C) and 77°F (25°C). Keep containers tightly closed as shipped. This product can be stored with other chemicals, is not flammable, and no special fire protection measures are necessary.

7.3 Specific end uses: QwikCheck® Liquid Chemical Indicator is for exclusive use in the Ethos® Cleaner Disinfectant system in accordance with operating instructions. Do not use content for any other reason. Do not use with any other disinfectant device, either manual or automated.

Section 8. Exposure control/personal protection

8.1 Control Parameters: The only component of QwikCheck indicator solution with an occupational exposure limit is acetic acid:

OSHA PEL TWA (8 hr. permissible exposure limit total weight average) vapor phase acetic acid: 10 ppm (25 mg/m³)

ACGIH PEL TLV (8 hr permissible exposure limit threshold limit value) vapor phase acetic acid: 10 ppm (25 mg/m³)

ACGIH STEL (short term exposure limit) vapor phase acetic acid: 15 ppm (37 mg/m³)

8.2 Personal protection: Use personal protective equipment: Wear gloves, laboratory coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this solution.

8.2.1 Skin protection: Chemical resistant gloves are recommended. Use nitrile, not latex, gloves.

8.2.2 Eye Protection: Laboratory safety goggles, safety glasses or face shield can be used.

8.2.3. Ingestion: Do not ingest, drink, or use in the presence of food.

8.3 Environmental exposure controls: Use and store in a well-ventilated area.

Section 9. Physical and chemical properties

Physical state: Liquid **Freezing point/range:** 0°C (32 °F)

Color/appearance: Light blue/clear **pH:** 3.5

Boiling temperature: 100°C (212°F) **Specific gravity:** 1.00 g/cc

Odor: Slight acetic/thiol **Evaporation rate:** Similar to water

Section 10. Stability and reactivity

Chemical stability: Stable under recommended storage conditions.

Hazardous polymerization: Hazardous polymerization not known to occur.

Hazardous decomposition products: Hazardous decomposition not known to occur.

Section 11. Toxicological Information

Acute toxicity (calculation method)

Oral LD50 (rat): >2900 mg/kg (requires 0.48 liters product)

Dermal LD50 (rabbit): >1400 mg/kg (requires 0.23 liters product)

Skin irritation: Causes mild skin irritation

Eye irritation: May cause eye irritation

Respiratory or skin sensitization: No data available (may be harmful by inhalation)

Germ line mutagenicity: No data available

Carcinogenicity (NTP, IARC, OSHA): All components not listed

Reproductive toxicity: No data available

Specific target organ toxicity: No data available

Aspiration hazard: No data available

Section 12. Ecological information

12.1 Eco-toxicity: Not a short-term or long-term aquatic hazard to fish or crustaceans.

Not otherwise classified or not covered by GHS Hazard Categories.

12.2 Persistence and degradability: Not established

12.3 Bio-accumulative potential: Not established

12.4 Mobility in soil: No information available

Section 13. Disposal considerations

Code P501: Precautionary statement: Dispose of container and waste effluent according to local, state, federal, and Union regulations.

Section 14. Transportation information: DOT (US), IMDG, IATA: Not dangerous goods.

Section 15. Regulatory information

CERCLA:	Below threshold limits
SARA 313:	Not listed/Below threshold limits
SARA 304:	Below threshold limits
SARA 302:	Below threshold limits
TSCA	FDA regulated medical device exemption

Section 16. Other Information

This Safety Data Sheet was formatted for compliance with (EC) 1907/2006. Classifications and procedures used to derive the hazards categories for mixtures is according to Regulation (EC) 1272/2008 (CLP). This SDS information is believed to be correct but is not warranted as such, nor does it purport to be all-inclusive. Prepared by Kendall Ashe on April 18, 2023.

End of Safety Data Sheet