



Material Safety Data Sheet
TGSKIN AC

Documentation Code: FR-C-RD-OC-20
Revision No.: 01
Issue Date: 2021.11.30
Validity Date: 2027.11.30

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Chlorhexidine-based antiseptic solution

Trade name: TGSKIN AC

1.2. Product use: Preparation of skin surfaces prior to injection and invasive procedures

1.3 Details of the supplier of the safety data sheet

Producer: TGS Company

Telephone number: 021-52868

Email: hello@tgs.co.com

Section 2: Hazards identification

2.1. Classification

Flammable liquids category 2, Skin irritation category 2, Eye irritation category 2A

2.2. Label Elements



Flammables



Irritant/Harmful

Precautionary Statements – Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep only in original packaging. Wear protective gloves, protective clothing and eye or face protection.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash face, hands and any exposed skin thoroughly after handling.

Precautionary Statements – Response:

Immediately call a POISON CENTER or doctor/physician.

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

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

Section 3: Composition/information on ingredients

Name	CAS Number	Classification
Ethanol	64-17-5	Flammable liquids Category 2 (H225), Eye Irritation Category 2A (H319)
Chlorhexidine	55-56-1	Skin Irritation Category 2, Eye Irritation Category 2A



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Section 4. First Aid Measures

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact: Take off immediately all contaminated clothing and wash it before reuse.

Inhalation: Get medical attention or advice if you feel unwell.

Ingestion: Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.

Section 5. Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide (CO₂), and dry chemical powder. Water spray may be used for cooling containers and dispersing vapors, but not for extinguishing the main fire.

Unsuitable extinguishing media: Do not use a direct water jet, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

No special hazards known.

5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Turn off all sources of ignition. Ventilate the area.

6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up

Absorb onto dry sand or similar inert material. Do not use fabric, sawdust, paper or other inflammable materials (danger of spontaneous combustion). Ensure adequate ventilation. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protective equipment see subsection 8. For disposal considerations see section 13.

Section 7. Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire and explosions:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.

Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Take off immediately all contaminated clothing. Avoid contact with skin. Do not breathe spray. Use only with adequate ventilation. See chapter 8, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a well-ventilated place. Store in a closed container. Keep only in original packaging. Keep at temperature between 15-25 °C. Keep from freezing. Keep cool. Keep away from heat and direct sunlight.

7.3 Specific end use(s)

No specific advice for end use available.



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Section 8. Exposure controls/personal protection

Personal protective equipment

Eye / face protection: No special requirements under normal use conditions.

Hand protection: Not applicable.

Body protection: No special requirements under normal use conditions.

Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: Should not reach sewage water or drainage ditch undiluted or unnaturalized.

Section 9. Physical and chemical properties

Physical state: liquid

Color: Clear, Colorless

Odor: Product specific

pH= 7.5-8.5

Section 10. Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

Keep away from strong oxidizing agents, strong acids, strong bases and active metals.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

None known under normal use conditions.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

Section 11. Toxicological information

11.1 Information on toxicological effects

TGSKIN AC didn't exhibit any significant dermal toxicity in acute exposure.

11.2 Information on other hazards

No other relevant information available.

Section 12. Ecological information

12.1 Toxicity

No data is available on the mixture.

12.2. Biodegradation

No data is available on the mixture.

12.3 Other adverse effects

No other adverse effects known.

Section 13. Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products: The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.



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Section 14. Transport information

14.1. UN Number: UN1170
14.2. Proper Shipping Name: ETHANOL SOLUTION
14.3. Transport Hazard Class: 3 (Flammable Liquid)
14.4. Packing Group: II
14.5. Special Precautions:
- "KEEP AWAY FROM HEAT" warning label required

Section 15. Regulatory information

This product is approved by the Iran Food and Drug Administration

Section 16. Other information

16.1. Revision Date: 09-09-2023