

SAFETY DATA SHEET

FOR CAVINOL DISINFECTANT SOLUTION

SECTION 1: IDENTIFICATION

- 1.1 Manufacturer identification:** Fine Healthcare F.Z.C., Ajman, UAE.
- 1.2 Manufacture Address:** Block E1-20, Ajman Free Zone
- 1.3 Contact E-Mail:** fine@finehealthcare.co
- 1.4 Website:** www.finehealthcare.co
- 1.5 Trade name:** CAVINOL Disinfectant Solution
- 1.6 Pack Sizes:** 1 L, 5 L
- 1.7 Shelf Life:** 36 Months
- 1.8 Active Ingredient:** Ethyl Alcohol, IPA, QAC.
- 1.9 Description:** Fast alcoholic spray disinfection for surfaces, Combination of ethanol, 2-propanol and quaternary ammonium compounds. Packaged in 1 L/ 5 L HDPE Plastic Bottle fitted with dispenser sprayer pump/ cap.
- 1.10 Intended Use:** Used for rapid disinfection of alcohol resistant surfaces, equipment and inventory in hospitals, medical and dental practices, nursing homes and clinics, ready to use.

SECTION 2: HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
 Classification (GHS-US)
- 2.1.1 Flam. Liq. 2 H225**
- 2.1.2 Eye Irrit. 2A H319**
- 2.1.3 STOT SE 3 H336**
- 2.2 Other hazards:** No additional information available.
- 2.3 Unknown acute toxicity (GHS US):** No data available



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

No.	Chemical Name	Product identifier /CAS Number	Concentration
01	Purified Water	(CAS No) 7732-18-5	35-25%
02	Ethyl Alcohol	(CAS No) 64-17-5	45-50% w/w
03	Isopropyl Alcohol	(CAS No) 67-63-0	14-17% w/w
04	N-alkyl dimethyl ethyl benzyl ammonium chloride	(CAS No) 85409-23-0	0.05-1.00%
05	Tergitol NP-9	(CAS No) 26571-11-9	4.0-8.0 %
06	Excipients (Non-hazardous)	N/A	0.001-0.009%

SECTION 4: FIRST-AID MEASURES

- 4.1 Description of first aid measures**
- First-aid measures after inhalation: No specific first aid necessary for this route of exposure.
 - First-aid measures after skin contact: No specific first aid necessary for this route of exposure. If skin irritation develops or persists, seek medical attention.
 - First-aid measures after eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.
 - First-aid measures after ingestion: Do NOT induce vomiting. Seek medical attention.
- 4.2. Most important symptoms and effects, both acute and delayed**
- Symptoms/injuries after inhalation: None under normal use.
 - Symptoms/injuries after skin contact: None anticipated under normal use. If skin irritation

occurs, stop use of product and seek medical attention.

- Symptoms/injuries after eye contact: Causes serious eye damage.
- Symptoms/injuries after ingestion: May be harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

- No additional information available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Use carbon dioxide, dry chemical, or water spray.

5.2 Special hazards arising from the substance or mixture:

- Fire hazard: DIRECT FIRE HAZARD. Highly flammable. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD. May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard.
- Explosion hazard: DIRECT EXPLOSION HAZARD. Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD. may be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard".
- Reactivity: Upon combustion: CO and CO₂ are formed. Violent to explosive reaction with (strong) oxidizers. Prolonged storage/in large quantities: may form peroxides.
- Fire Fighting Procedures: During all firefighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Health and Safety Precautions: Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

6.2 Measures for Cleaning / Collecting: Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity). Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Clean spill area thoroughly.

6.3 Measures for Environmental Protections: Place waste in an appropriately labelled, sealed container for disposal. Care should be taken to avoid environmental release.

6.4 Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel

SECTION 7: HANDLING & STORAGE

7.1 Handling (Personnel):

- Avoid breathing vapor or mist.
- Avoid contact with eyes and clothing.
- Wash thoroughly after handling.
- Wash contaminated clothing after use.
- Use only with adequate ventilation
- Releases to the environment should be avoided.
- Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this

7.2 Handling (Physical Aspects):

- Close container after each use.
- Storage: Keep away from open flames, hot surfaces and sources of ignition. Store in airtight container, in the dark. Keep container closed when not in use. Store at below 25°C. Keep from contact with oxidizing materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Engineering Controls:** Handle material under adequate ventilation. Keep container tightly closed when not in use.
- 8.2 Personal Protective Equipment:** Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).
- 8.3 Eyes:** Wear safety glasses with side shields. Wear full-face protection when judged that the possibility exists for eye and face contact. None required for consumer use.
- 8.4 Hand protection:** Wear gloves to prevent skin contact. None required for consumer use.
- 8.5 Skin and body protection:** Wear impervious clothing (lab coat, shoe covers) to prevent skin contact. None required for consumer use.
- 8.6 Respiratory protection:** None required under normal product handling conditions.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

- 9.1 Physical State:** Clear Colored Solution.
- 9.2 Odor:** Characteristic Odor.
- 9.3 Colour:** Greenish to Pale Green.
- 9.4 Solubility:** Miscible with water.
- 9.5 pH:** 5.5 – 8.5

SECTION 10: STABILITY & REACTIVITY

- 10.1 Reactivity:** Upon combustion: CO and CO₂ are formed. Violent to explosive reaction with (strong) oxidizer. Prolonged storage/in large quantities: may form peroxides.
- 10.2 Chemical stability:** The product is stable at normal handling- and storage conditions.
- 10.3 Possibility of hazardous reactions:** Will not occur.
- 10.4 Conditions to avoid:** Storage in excess heat (104 ° F) over a long period of time.
- 10.5 Incompatible materials:** May react violently with alkalis. May react violently with acids.
- 10.6 Hazardous decomposition products:** Carbon dioxide. Carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Effects from Eye Contact:** Serious Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
- 11.2 Dermal Effects:** Contact with the skin during product use is not expected to result in significant irritation. Prolonged or repeated exposure may cause: Signs/symptoms may include localized redness, itching, drying and cracking of skin to sensitive skin.
- 11.3 Allergic Skin Reaction (non-photo induced):** Signs/symptoms may include redness, swelling, blistering, and itching to sensitive skin.
- 11.4 Effects from Inhalation:** Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May be absorbed following inhalation and cause target organ effects.

1. Water (7732-18-5)
LD50 oral rat > 90 ml/kg
2. Ethyl alcohol (64-17-4)
LD50 oral rat 7060 mg/kg
LC50 inhalation rat (mg/l) 200000 mg/KG (Exposure time: 10 h)
3. Isopropyl Alcohol (67-63-0)
LD50 oral rat 4396 mg/kg
LD50 dermal rat 12800 mg/kg
4. Tergitol NP-9 (26571-11-9)
Acute Oral Toxicity (LD50) Rat: 960-3980 mg/kg

Acute Dermal Toxicity (LD50) Rabbit: 2000-2199 mg/kg
5. N-alkyl dimethyl ethyl benzyl ammonium chloride (85409-23-0)
Acute Oral Toxicity (LD50) Rat: 250 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1 Eco-Toxicity:

- **Ecology - general:** Classification concerning the environment: not applicable.
- **Environmental Overview:** Environmental properties have not been thoroughly investigated. The product contains mixer of Alcohols and QAC's, which are may be hazardous for the environment: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Releases to the environment should be avoided.
- **Mobility in soil:** No further relevant information available.
- **Other adverse effects:** No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Procedures: Dispose of waste in accordance with all applicable laws and regulations.

Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

SECTION 14: TRANSPORT INFORMATION

14.1 Packaging Units: inner packaging: HDPE plastic bottles tightly closed;
 outer packaging: fiberboard box with total weight not more than 25kgs.

14.2 In accordance with DOT / ADR / RID / ADNOR / IMDG / ICAO / IATA

- **Land transport (DOT)**
 UN Number: 1170
 Proper shipping name: ETHANOL SOLUTIONS
 Class: 3
 Packing group: III
 Labels: FLAMMABLE LIQUID
- **Sea transport (IMDG/IMO)**
 UN Number: 1170
 Proper shipping name: ETHANOL SOLUTION
 Class: 3
 Packing group: III, LTD QTY
 Labels: LTD QTY; FLAMMABLE LIQUID



SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

- EU Symbol: F
- EU Indication of danger: Flammable
- EU Risk Phrases: R11 - Highly flammable.

15.1.2. National regulations

- No additional information available

15.2 Chemical Safety Assessment

- No additional information available.



SECTION 16: OTHER INFORMATION

16.1 SDS Version: SDS/03/21/01.

16.2 SDS Initial Issue Date: 12/09/2021.

16.3 SDS Last Update/Review Date: 03/09/2024.

16.4 This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

16.5 For information about SDS, use this department contact: +971 6 7417300