



SAFETY DATA SHEET

Section 1. Product And Company Identification

Product Names: CaviWipes™ 2.0

Product Use: Hard surface cleaner and disinfectant wipe

Manufacturer: METREX® RESEARCH
28210 Wick Road
Romulus, Michigan 48174
U.S.A.

Information Phone Number: 1-800-841-1428 (Customer Service)

Chemical Emergency Phone Number (Chemical Spills, Leaks, Fire, Exposure or Accident only):
CHEMTREC 1-800-424-9300 (in the US) 1-703-527-3887 (Outside the US)

SDS Date Of Preparation/Revision: 7/2/20

Section 2. Hazards Identification

GHS / HAZCOM 2012 Classification:

Flammable Liquid Category 4

Warning!

Hazard Phrases

Combustible liquid

Prevention:

Keep away from flames and hot surfaces. No smoking.

Wear eye protection.

Response:

In case of fire: Use water spray or fog, alcohol-resistant foam, carbon dioxide or dry chemical to extinguish.

Storage:

Store in a well-ventilated place. Keep under ambient temperature (or room temperature).

Disposal:

Dispose of contents and container in accordance with local and national regulations.

Other hazards: None

Section 3. Composition/Information on Ingredients

Component	CAS No.	Amount
Water	7732-18-5	70-80%
Isopropanol	67-63-0	17.2%
Proprietary Glycol Ether	Proprietary	1-5%
Didecyldimethylammonium chloride	7173-51-5	0.17%
Alkyl (C14-50%, C12-40%, C16-10%) dimethyl benzyl ammonium chloride	68424-85-1	0.11%

Section 4. First Aid Measures

Inhalation: Remove to fresh air. If breathing is difficult, get medical attention.

Skin Contact: Flush thoroughly with water. Get medical attention if irritation or symptoms of exposure develop. Remove and launder contaminated clothing before re-use.

Eye Contact: Rinse thoroughly with water. Get medical attention if irritation occurs and persists.

Ingestion: Not a normal route of exposure for a wipe. No first aid is required for small amounts transferred from hands to mouth.

Most Important symptoms and effects, both acute and delayed: Direct contact with liquid may cause mild eye irritation. Prolonged skin contact may cause irritation.

Indication of any immediate medical attention and special treatment needed: Immediate medical attention is not required.

Section 5. Fire Fighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use water spray or fog, alcohol-resistant foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Product will burn under fire conditions. Liquid saturant is a combustible liquid. Flammable vapors may collect in confined areas if large amounts are used.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

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.

Methods and Materials for Containment and Cleaning up: Pick up wipe and place into a container for disposal. Do not flush to the sewer. Dispose of container in trash. Do not reuse or refill the canister.

Section 7. Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Do not reuse towelette.

Conditions for Safe Storage, Including any Incompatibilities: Store in a well-ventilated area under ambient temperature (or room temperature), away from oxidizers and other incompatible materials. Keep away from heat and open flames. Keep containers closed when not in use.

Section 8. Exposure Controls / Personal Protection**Exposure Limits:**

Chemical	Exposure Limit
Water	None Established
Isopropanol	200 ppm TWA, 400 ppm STEL ACGIH TLV 400 ppm TWA OSHA PEL
Proprietary Glycol Ether	20 ppm TWA ACGIH TLV 50 ppm TWA OSHA PEL (skin)
Didecyldimethylammonium chloride	None Established
Alkyl (C14-50%, C12-40%, C16-10%) dimethyl benzyl ammonium chloride	None Established

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits.

Respiratory Protection: None should be needed for normal use.

Hand protection: Impervious gloves such as butyl rubber or nitrile are recommended for operations which may result in prolonged or repeated skin contact.

Eye Protection: None required for normal use. If liquid splashing is possible, wear splash proof goggles to prevent eye contact.

Skin Protection: None required for normal use. Wear protective clothing if needed to avoid prolonged/repeated skin contact. Contaminated clothing should be removed and laundered before re-use.

Hygiene measures: Suitable eye wash and washing facilities should be available in the work area.

Other: None required under normal conditions of use.

Section 9. Physical and Chemical Properties

The following data applies to the liquid saturant:

Appearance:	Clear liquid on a white towelette	Odor:	Alcohol
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Odor Threshold:	Not determined	pH:	6.5-8.5
Melting/Freezing Point:	Not determined	Boiling Point/Range:	Not determined
Flash Point:	87°C (189°F)	Evaporation Rate:	Not determined
Flammability: (Solid, Gas)	Not applicable	Flammability Limits:	LEL: 2% UEL: 12.7%
Vapor Pressure:	43.3 mmHg @ 20°C (isopropanol)	Vapor Density:	2.1 (isopropanol)
Relative Density:	0.9734 g/mL	Solubilities:	Completely soluble in water
Partition Coefficient: (N-Octanol/Water)	Not determined	Autoignition Temperature:	Not determined
Decomposition Temperature:	Not determined	Viscosity:	Not determined

Section 10. Stability and Reactivity

Reactivity: Not reactive at ambient temperatures.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, sparks, flames and all other sources of ignition.

Incompatible Materials: Strong oxidizing agents, acids and strong alkalis.

Hazardous decomposition products: Thermal decomposition will produce carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, oxides of sodium, aldehydes, and hydrogen chloride.

Section 11. Toxicological Information

Potential Health Effects:

The following applies to the liquid saturant. The towelette is not hazardous.

Inhalation: Inhalation of high concentrations of vapors may cause upper respiratory tract irritation, headache, dizziness, drowsiness, confusion, and other central nervous system effects.

Skin Contact: This product may cause slight skin irritation based on test data from the OCSP 870.2500 Acute Skin irritation study which resulted in Toxicity Category IV. This product is not a skin sensitizer based on test data from the OCSP 870.2600 Skin Sensitization in Guinea Pigs study.

Eye Contact: This product may cause minimal irritation to eyes based on test data from the OCSP 870.2400 Acute Eye Irritation Study in Rabbits which resulted in Toxicity Category III. The test data obtained does not meet the criteria of the GHS for eye irritancy.

Ingestion: Ingestion is unlikely under normal use. Ingestion of liquid may cause gastrointestinal disturbances and central nervous system effects such as headache, dizziness, drowsiness and nausea.

Chronic Hazards: None known.

Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.

Acute Toxicity Values:

The following values are based on OCSP Test Data:

Oral rat LD50: >5000 mg/kg, Dermal rabbit LD50: >5050 mg/kg, Inhalation rat LC50: >2.07 mg/L/4hr

Section 12. Ecological Information

This product is expected to be toxic to the aquatic environment and harmful to the aquatic environment with long lasting effects. Releases to the environment should be avoided.

Toxicity: No toxicity data available for product.

Isopropanol: LC50 fathead minnows 11,130 mg/L/48 hr; LC50 brown shrimp 1400 mg/L/48 hr

Didecyldimethylammonium chloride: LC50 bluegill sunfish 0.32 mg/L/96 hr, EC50 daphnia magna 0.94 mg/L/48 hr.

Alkyl (C14-50%, C12-40%, C16-10%) dimethyl benzyl ammonium chloride: LC50 Bluegill sunfish 0.515 mg/L/96hr, EC50 Daphnia magna 0.016 mg/L/48 hr, NOEC Fathead minnow 32.2 ug/L/28 days.

Persistence and degradability: Isopropanol, 2-butoxyethanol, Didecyldimethylammonium chloride, and Alkyl (C14-50%, C12-40%, C16-10%) dimethyl benzyl ammonium chloride are readily biodegradable in screening tests.

Bioaccumulative Potential: Isopropanol has an estimated BCF of 3 suggesting that the potential for bioaccumulation is low. A BCF of 81 for didecyldimethylammonium chloride suggests bioconcentration in aquatic organisms is moderate.

Mobility in Soil: Isopropanol is expected to have very high mobility in soil. If released to soil, didecyldimethylammonium chloride is expected to have no mobility in soil.

Other Adverse Effects: None known



Section 13. Disposal Considerations

Towelette Disposal: Do not reuse towelette. Dispose of used towelette in trash. Do not flush wipes down toilet.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If recycling is not available, discard in trash.

Section 14. Transport Information

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
US DOT	None	Not Regulated per the combustible liquid exemption (49CFR 173.150(f))	None	None	None
EU ADR/RID	None	Not regulated	None	None	None
IMDG	None	Not regulated	None	None	None
IATA/ICAO	None	Not regulated	None	None	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 identified

Section 15. Regulatory Information

U.S. Federal Regulations:

EPA SARA 311/312 Hazard Classification: Refer to Section 2 for OSHA Hazard Classification.

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): This product contains a Proprietary Glycol Ether. Contact Metrex if reporting may be required.

Protection Of Stratospheric Ozone: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements; however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

International Inventories

US EPA TSCA Inventory: All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

Section 16. Other Information

Effective Date: July 2, 2020



Supersedes Date: November 19, 2019

Revision Summary: Updated product name and Section 2, 7, and 11.

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