Simpli™

GERMICIDAL WIPES

SURFACE DISINFECTANT

- ✔ FAST
- ✔ EFFECTIVE
- ✔ CONVENIENT

ACTIVE INGREDIENTS

n-Alkyl (68% C_{12}, 32% C_{14}) dimethyl ethylbenzyl ammonium chlorides	0.25%
n-Alkyl (60% C_{14}, 30% C_{16}, 5%C_{12}, 5%C_{18}) dimethyl benzyl ammonium chlorides	0.25%
Isopropyl Alcohol	55.00%
OTHER INGREDIENTS	44.50%
TOTAL	100.00%

PRODUCT DESCRIPTION

Simpli Germicidal Wipes are premoistened nonwoven durable wipes containing a Quaternary/Alcohol based solution. Recommended for use in hospitals and other critical care areas where the control of the hazards of cross-contamination between treated surfaces is required. Designed to be compatible with hard non-porous surfaces and equipment made of stainless steel, plastic, Formica® laminate, glass and more. Some organisms are removed from the surface by thoroughly wiping the surface with the wipe. Most remaining organisms are killed within two (2) minutes by exposure to the liquid in the wipe. From date of production, Simpli Germicidal Wipes feature a 2 year (unopened) and 75 days (opened) shelf life.

DRUG FACTS

ACTIVE INGREDIENT	PURPOSE
Isopropyl Alcohol	55.00%
n-Alkyl (68% C_{12} , 32% C_{14} dimethyl ethylbenzyl ammonium chloride	0.25%
n-Alkyl (60% C_{14}, 30% C_{16}, 5% C_{12}, 5% C_{18}) dimethyl benzyl ammonium chlorides	0.25%

INACTIVE INGREDIENTS

Deionized water 44.50%

EPA REG. NO. 96706-R

DO NOT USE

- On children under 2 months of age
- On open skin wounds
- When using this product keep out of eyes, ears and mouth. In case of contact with eyes, rinse eyes thoroughly with water.

CONTAINS

160 Wipes (6" x 6.75")

EFFICACY

BACTERIAL ORGANISM EFFICACY

Pseudomonas aeruginosa [ATCC 15442]
Salmonella enterica [ATCC 10708]
Staphylococcus aureus [ATCC 6538]

Test Method Used	Modified AOAC Germicidal Spray Method for Hard Surface Disinfection
Organic Soil Load	5% Horse Serum or 5% Fetal Bovine Serum
Exposure Time	2 minutes at 66-77°F
Incubation	48 hours +/- 2 hours to 6 days at 86-98.6°F
Results	No growth observed

VIRAL ORGANISM EFFICACY

ENVELOPED VIRUSES

Human Coronavirus [ATCC VR-740] Strain 229E

Test Method Used	This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of test for determining the virucidal efficacy of disinfectants intended for use on dry inanimate surfaces.
Organic Soil Load	5% fetal bovine serum
Exposure Time	2 minutes at 68°F
Results	Virucidal according to the criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.

Respiratory Syncytial virus (RSV)

Test Method Used	This test was conducted according to U.S. Environmental Protection Agency guidelines in effect at the time of test for determining virucidal efficacy of disinfectants intended for use on dry inanimate surfaces.
Organic Soil Load	5% fetal bovine serum
Exposure Time	1 minute at room temperature (68°-77°F)
Results	Virucidal against Respiratory Syncytial virus (RSV) aocording to the criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.

TOXICITY

ACUTE ORAL TOXICITY STUDY OF SIMPLI GERMICIDAL DISPOSABLE WIPE
Conclusion: A single-dose of Simpli Germicidal Disposable Wipe solution was administered and observed for 14 days. Based on the results of this study, Simpli Germicidal Disposable Wipe has an acute oral toxicity LD50 greater than 5 g/kg of body weight.

PRIMARY EYE IRRITATION OF SIMPLI GERMICIDAL DISPOSABLE WIPE
Conclusion: All eye irritation cleared successfully within the respective timed observation period resulting in no permament eye damage or irritation. In accordance with the OPPTS/OECD Guidelines, Simpli Germicidal Disposable Wipe would be classified as Toxicity Category II in unwashed eyes.

ACUTE DERMAL TOXICITY 0F SIMPLI GERMICIDAL DISPOSABLE WIPE
Conclusion: Following the single dermal administration, the subjects were observed for 14 days. Under the conditions of this test, the acute dermal LD50 was found to be greater than 2 g/kg of body weight.

PRIMARY DERMAL IRRITATION 0F SIMPLI GERMICIDAL DISPOSABLE WIPE
Conclusion: The subjects were exposed to the moist towelette with an occlusive wrap for a total of 72 hours. Under the conditions of this study, no dermal irritation was evident at 72 hours.

SAFETY DATA SHEET

Section 1: Identification

Product Name: MBS MedTech Simpli Germicidal Wipes (6" x 6.75" and 8" x 14")
Manufacturer: MBS Medical Technologies; 25971 Pala; Mission Viejo, CA 92691

In emergency call 911.
For information about this SDS, contact Chemtrec: 800-424-9300
For information about the product: 888-482-4201

Section 2: Hazard(s) Identification

Hazard Classifications:
Eye irritation – category 2A
Flammable liquid – category 2
Acute oral toxicity – category 4

Signal Word(s): Danger

Hazard Statements: Highly flammable liquid and vapor
May form explosive mixtures with air
Harmful if swallowed
May cause drowsiness or dizziness

Pictograms:

Precautionary Statements:
Keep out of reach of children
Store in a well-ventilated place
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautionary Statements – Response:
In case of fire: Use DRY chemical, alcohol-resistant foam, water spray or carbon dioxide to extinguish.
If inhaled: remove person to fresh air and keep comfortable for breathing.
If skin irritation persists, get medical attention
If in eyes: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Precautionary Statements – Storage:
Store in a cool well-ventilated area.

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.
Isopropyl Alcohol	isopropanol	67-63-0	>50%
Quaternary ammonium compounds	n-Alkyl-(C12-C18)-dimethyl-benzyl-ammonium chlorides	68391-01-5	<1%
Quaternary ammonium compounds	n-Alkyl-(C12-C14)-dimethyl- ethyl-benzyl ammonium chlorides	85409-23-0	<1%

Section 4: First-Aid Measures

After skin contact: Flush skin with plenty of water for 15 minutes while removing contaminated clothing.
After eye contact: Flush eyes with water for 15 minutes while holding eyelids open. Get medical attention.
After inhalation: Remove to fresh air. If breathing is difficult seek medical attention. Eliminate all ignition sources if safe to do so.
After swallowing: Do NOT induce vomiting. Rinse out mouth with clean water. Get immediate medical attention.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Dry chemical, foam, carbon dioxide or fog is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface should be avoided as water destroys the foam. Sand or earth may be used for small fires only.
Special protective equipment for firefighters: Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel.

Section 6: Accidental Release Measures

Personal precautions: Avoid breathing vapor. Avoid contact with skin, eye or clothing. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Use explosive proof equipment. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.
Measures for environmental protection: Stop spill release if it can be done safely. Prevent spilled materials from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth or other appropriate barriers.
Measures for cleaning/collecting: Sand, clay and absorbent socks can be used to contain a spill.

Section 7: Handling and Storage

Handling: Wash hands thoroughly after handling. Avoid contact with eyes, skin and clothing. Do not breathe vapors. Eyewash stations should be available where material is stored. Maintain adequate ventilation.
Storage: Keep containers tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and an incompatible materials. Store in original or approved containers and protect against physical damage. Keep containers securely sealed to prevent leakage. Use non-sparking ventilation systems.

Section 8: Exposure Controls/Personal Protection

Chemical Name	OSHA TWA	NIOSH STEL	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Isopropyl alcohol	400 ppm	500 ppm	200 ppm	400 ppm
Quaternary ammonium compounds	no data	no data	no data	no data

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. Select a filter suitable for organic gases and vapors (boiling point 65°C; 149°F) meeting EN371.
Skin Protection: Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber.
Eye Protection: Wear eye protection with side-shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, using in combination with a face shield.
Appropriate Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit values.

Section 9: Physical and Chemical Properties

Form: liquid-soaked wipe
Odor: characteristic
Odor threshold: n/a
pH: 6.25 – 8.5
Melting point/melting range: n/a
Boiling point/boiling range: 80°C (177°F) for liquid portion
Flash point: 23.3C / 73.94°F
Evaporation rate: n/a
Flammability: CLOSED CUP: 18.3°C (64.9°F) - 24 deg. C (75 deg. F)
Upper/lower flammability or explosive limits: n/a
Auto ignition temperature: 399°C (750°F)
Vapor pressure: 4.4 KPa (20°C)
Vapor density: 2.07 (air = 1)
Relative density: 0.892 (water = 1)
Solubility in/Miscibility with water: highly soluble

Section 10: Stability and Reactivity

Chemical stability: stable under normal conditions of use
Conditions to avoid: heat, sparks, open flames and other ignition sources
Incompatible materials: strong oxidizing agents
Hazardous decomposition products: thermal decomposition may yield carbon dioxide and/or carbon monoxide

Section 11: Toxicological Information

Potential routes of exposure/potential health effects
Skin: can cause mild skin irritation.
Eye: can cause serious eye irritation.
Inhalation: slightly irritating to respiratory system.
Ingestion: may be harmful or fatal if swallowed.
Carcinogenic effects: no data available.
Mutagenic effects: no data available.
Reproductive toxicity: no data available.
Sensitization: no data available.
Target organs: may cause drowsiness or dizziness.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: no data available.
Mobility: no data available.
Biodegradation: no data available.
Bioaccumulation: no data available.

Section 13: Disposal Considerations (non-mandatory)

Waste must be disposed of in full compliance with federal, state and local environmental regulations.

Section 14: Transport Information (non-mandatory)

DOT regulations: UN1219, Isopropanol

- **Hazard class:** 3

Special Provisions for Transport: not available.

Section 15: Regulatory Information (non-mandatory)

US Federal and State Regulations
SARA Section 355 (extremely hazardous substances): none
SARA Section 313 (specific toxic chemical listings): none
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): none

Connecticut hazardous material survey.: Isopropyl alcohol; Illinois toxic substances disclosure to employee act: Isopropyl alcohol; Rhode Island RTK hazardous substances: Isopropyl alcohol; Pennsylvania RTK: Isopropyl alcohol; Florida: Isopropyl alcohol; Minnesota: Isopropyl alcohol Massachusetts RTK: Isopropyl alcohol; New Jersey: Isopropyl alcohol New Jersey spill list: Isopropyl alcohol; TSCA 8(b) inventory: Isopropyl alcohol; Water TSCA 4(a) final testing order: Isopropyl alcohol TSCA 8(a) IUR: Isopropyl alcohol TSCA 8(d) H and S data reporting: Isopropyl alcohol: Effective date: 12/15/86 Sunset Date: 12/15/96
TSCA 12(b) one time export: Isopropyl alcohol SARA 313 toxic chemical notification and release reporting: Isopropyl alcohol

Other Classifications:
WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC).
DSCL (EEC):
R11- Highly flammable. R36- Irritating to eyes. S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately and show this container or label.
HMIS (U.S.A.):
Health Hazard: 2
Fire Hazard: 3
Reactivity: 0
Personal Protection: E
National Fire Protection Association (U.S.A.):
Health: 1
Flammability: 3
Reactivity: 0

Section 16: Other Information

SDS date of preparation/update: 21 July 2020 / 01 September 2020