



## MATERIAL SAFETY DATA SHEET

**Product: MWIPE+ Hospital Grade Disinfectant Wipes**

Version : 0

Prepared : 01.04.2011

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### **SECTION 1 IDENTIFICATION OF THE MATERIAL**

**Product name** : MWIPES+ Hospital Grade Disinfectant Wipes

**Uses/Application:**

Disinfectant and decontaminant cleaner for use on surfaces of inanimate objects including plastics, non-porous vinyl and upholstery, stainless steel, painted surfaces, glass and other hard surfaces .

**Manufacturer (Name, address and info phone number)**

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### **SECTION 2 HAZARDS IDENTIFICATION**

**Hazard classification** Irritating to eyes

**Risk phrases of all ingredients**

11 Highly flammable.

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

35 Causes severe burns.

36 Irritating to eyes

36/37/38 Irritating to eyes, respiratory system and skin.

41 Risk of serious damage to eyes.

42 May cause sensitisation by inhalation

67 Vapours may cause drowsiness and dizziness.

**Safety phrases of all ingredients**

2 Keep out of the reach of children

7 Keep container tightly closed

23 Do not breathe vapour

25 Avoid contact with eyes

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Other hazard**

The product contains Isopropyl alcohol. It may be harmful if swallowed and, in presence of ignition sources or excessive heat, may be flammable.

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

<u>Composition</u>	<u>CAS No.</u>	<u>Proportion</u>
Benzethonium Chloride	121-54-0	0.2 to 0.3%
Isopropyl Alcohol	67-63-0	15 to 20%
Inert Ingredients	-	5 to 10%
Water	7732-18-5	to 100 %

### SECTION 4 FIRST AID MEASURES

**Treatment for eye contact :** Flush with water for 15 minutes. If irritation persists, seek medical attention.

**Treatment for skin contact :** Wash skin with soap and water.

**Treatment for inhalation (breathing) :** Remove to fresh air. If irritation persists, seek medical attention.

**Treatment for ingestion (swallowing) :** Do not induce vomiting. Give large amount of water. Seek medical attention.

**First Aid Facilities :** Rubber or plastic gloves should be used when handling.

### SECTION 5 FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Carbon dioxide, dry chemical, foam.

**Forbidden extinguishing media:** Not determined.

**Special fire fighting measures:** None.

**Unusual fire and explosion hazards:** None.

**Special protection equipment:** Sealed overall.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Follow recommended precautions listed in other sections.

**Environmental Precautions:** Material should not be allowed to drain into sewers.

**Reclaiming Methods :** Waste resulting from the use of this product must be disposed of in accordance with local regulations.

**Containment and clean up procedures :** Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for disposal.

### SECTION 7 HANDLING AND STORAGE

**Handling Precautions:** Avoid exposure to excessive heat.

**Precautions in case of Fire and Explosion:** Extinguish all ignition sources.

**Storage Conditions:** Store at ambient temperature.

**Suggested container(s):** Original sealed containers provided by manufacturer.

**Indication for Combined Storage:** Avoid contact with acids.

**Environmental precautions:** Do not allow product to reach sewers and rivers.

**Other Precautions:** Keep out of reach of children. Do not ingest. Avoid eye contact and contamination of food. Use according to directions on direct container.

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure Limits:**

PEL/TLV: 400 ppm (Isopropyl alcohol)  
 ES-TWA: 400 ppm (Isopropyl alcohol)  
 ES-STEL: 500 ppm (Isopropyl alcohol)  
 No biological limit allocated

**Exposure control measures**

*Precautionary Measures:*

Ventilation: *Local Exhaust Ventilation:* Adequate ventilation to maintain recommended exposure limits.  
*Special Ventilation:* None.  
*Mechanical (General) Ventilation:* Should be sufficient.  
*Other Ventilation:* Not applicable.

Respiratory Protection: Not needed. Use the product in a well-ventilated area.  
 Hands Protection: Not required if used as directed.  
 Eyes Protection: Not required if used as directed.  
 Skin Protection: Handle in accordance with good personal hygiene and safety practices.  
 Other Protective Equipment: Lab coat or operating gown recommended.

*Environment exposure control measures*

Not Applicable.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance: Clear to amber liquid  
 Odour: Mint odour  
 pH: 11.00 – 12.50  
 Boiling point: 86 to 90°C  
 Flash point: 28.3°C  
 Flammability: Not flammable if stored as directed.  
 Lower Explosivity Limit (L.E.L.): Not applicable  
 Upper Explosivity Limit (U.E.L.): Not applicable  
 Oxidizing properties: None  
 Vapour pressure: Similar to water  
 Relative density: Not available  
 Specific gravity: 0,972 g/ml  
 Solubility: 100% in water  
 Viscosity: Similar to water  
 Vapour density (air = 1): Similar to water  
 Evaporation rate (n-butane = 1): Not available

*Other information*

Miscibility: Miscible with water.  
 Solubility in Lipids: Not available  
 Conductibility: Similar to water  
 Gases Group: Not applicable

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## SECTION 10 STABILITY AND REACTIVITY

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**Stability:** Stable solution

**Conditions to avoid:** Avoid temperature above 120°F (49°C) and evaporation of water

**Materials to avoid (incompatibility):** Avoid contact with acids.

**Hazardous decomposition products:** Oxides of Carbon.

**Hazardous reaction:** Will not occur

*Other precautions:*

**Hazardous Polymerization Products:** Will not occur

**Safety significance in case of change in physical appearance:** None known

**Stabilizers:** No stabilizers are present in this product

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## SECTION 11 TOXICOLOGICAL INFORMATION

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CMR effects (Carcinogenicity, Mutagenicity and toxicity for reproduction):

The product contains Methyl Salicylate, which has shown evidence of teratogenicity in animals. See also Section 16.

*Effects and hazards of eye contact:* May cause reversible damage.

*Effects and hazards of skin contact:* Not considered an irritant.

*Effects and hazards of Inhalation (Breathing):* May cause low or mild irritation.

*Effects and hazards of Ingestion (Swallowing):* May be harmful if swallowed.

*Effects for prolonged Exposure:* Unknown.

*Toxic-kinetic effects:* Unknown.

*Effects on metabolism:* Unknown.

**Toxicological data for ingredients:**

<b>Isopropyl alcohol</b>	LD <sub>50</sub> (oral rat):	4570 mg/Kg
	LD <sub>50</sub> (skin rabbit):	13400 mg/Kg
	LC <sub>50</sub> (inhalation rat/4 hours):	30 mg/L

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## SECTION 12 ECOLOGICAL INFORMATION

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This product has not known ecological hazardous effects.

**Eco-toxicity:** Not available

**Mobility:** Not available

**Persistence and degradability:** Not available

**Bioaccumulative potential:** Not available

**Results of PBT (Persistent Bio-Toxicity) assessment:** Not available

**Other adverse effects:** Not available

*Aquatic toxicity data for ingredients:*

<b>Isopropyl alcohol</b>	LC <sub>50</sub> (fishes, 48 hours): 8970 mg/L
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## SECTION 14 TRANSPORT INFORMATION

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*Sea transportation (IMDG)*

UN number: 1987      Class: 3      Packing group: III      EMS-No: F-E, S-D

Stowage/segregation: Category A;      Limited Quantity: 5L

Proper shipping name: Alcohol flammable, n.o.s. (Isopropanol in aqueous solution)

*Air transportation (ICAO/IATA)*

UN number: 1987      Class: 3      Packing group: III      Label: 3 (Flammable liquid)

Proper shipping name: Alcohol flammable, n.o.s. (Isopropanol in aqueous solution)

*Transportation by Road/Railway (RID/ADR)*

UN number: 1987      Class: 3      Packing group: III      Label: 3 (Flammable liquid)

Proper shipping name: Alcohol flammable, n.o.s. (Isopropanol in aqueous solution)

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## **SECTION 15 REGULATORY INFORMATION**

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Poisons Schedule :            NA

Product is regulated by the TGA in Australia. This product complies under AUST L 181266

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## **SECTION 16 OTHER INFORMATION**

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Product is considered safe if used as intended.

**This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. No warranty, either expressed or implied, is made with respect to the information or the product to which the information refers. Each user must review this MSDS in the context of how the product will be handled and used in the workplace.**

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