1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER	
1.1. Product (material) name:	Micro Defence Surface Wipes
1.2. Other names:	Hospital Grade Disinfectant (previously AUST L 279402)
1.3. Chemical formula:	Not Available
1.4 Other means of identification	Not Available
1.5 Recommended use:	Disinfecting surfaces
1.6. Supplier:	Caronlab Australia Pty Ltd
1.7. Address:	148-150 Victoria Street, North Geelong, Victoria, 3215, Australia
1.8. Phone:	(03) 5221 1363
1.9. Fax:	(03) 5227 4950
1.10. Email:	info@caronlab.com.au
1.11. Emergency Contacts:	Poisons Information Centre (Australia) 13 11 26

2. HAZARDS IDENTIFICATION

2.1	Hazard classification:	Non-hazardous according to NOHSC criteria.
2.2	Risk phrase(s):	Not applicable
2.3	Safety phrase(s):	As below
2.4	Relevant Risk Statement:	R36: Irritating to eyes.

Safety Advice	
S02	Keep out of reach of children
S26	In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre

3. INGREDIENTS

Ingredient	CAS number	Concentration (% v/v)
Aqua	7732-18-5	> 60 %
Lactic Acid	79-33-4	10 %
Citric Acid	77-92-9	3 %
Malic Acid	6915-15-7	5%
Succinic Acid	110-15-6	< 10%

Other ingredients not classified as hazardous according to NOHSC to 100%

4. FIRST AID MEASURES

4.1. Description of necessary first aid measures / Symptoms caused by exposure	
Ingestion:	Immediately make victim drink water (two glasses at most). Consult a physician.
Eye:	Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Call a physician.
Skin:	Non hazardous
Inhalation:	Remove to fresh air. If breathing becomes difficult, call a physician.
4.2. Medical Attention And Special Treatment	
First Aid Facilities:	A source of clean water should be available in the work area for flushing eyes and skin.
Comments:	None

5. FIRE FIGHTING MEASURES

5.1. Suitable extinguishing media:	Dry chemical, carbon dioxide, foam or water may be used. Do not use straight streams of water on burning material. Sand / earth can be used on small fires.
5.2. Hazards from combustion products:	During a fire irritating and toxic gases maybe produced by combustion or thermal decomposition.
5.3. Special protective precautions and equipment for fire fighters:	Move exposed containers from fire areas if possible. When fighting fires involving significant quantities of this product, fire -fighters should wear safety footwear, non-flammable gloves, overalls, hat, goggles and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES	
6.1. Emergency procedures:	Minor spillage: Non-hazardous. There are no special requirements. Product is non-toxic. Non-hazardous if enters waterways. Major spillage: As above
6.2. Methods and materials for containment and clean up:	Rinsing not required. Use operator discretion. Wear appropriate protective equipment.
6.3. Environmental precautions:	Dispose of materials in accordance to local and national laws.
7. HANDLING AND STORAGE	
7.1. Precautions for safe handling:	Keep out of reach of children. Observe precautions found on label. Wash face and hands thoroughly with soap and water after use and before eating. Avoid contact with eyes. Avoid extreme temperatures during transport.
7.2. Conditions for safe storage, including any incompatibilities:	Store in a cool, dry well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers closed when not in used. Ensure the storage conditions comply with applicable local and national regulations.
7.3. Handling temperatures:	<100˚C
7.4. Recommended materials:	HDPE Plastic container Class 2
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1. National exposure standards	None allocated
8.2. Biological limit values	None allocated
8.3. Engineering controls	Special ventilation is not required as this substance is non-toxic and non-hazardous.
8.4. Personal protective equipment	Protective clothing and gloves are not relevant. Protective googles or glasses recommended.
9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1. Appearance:	Clear, colourless aqueous solution
9.2. Odour:	Practically odourless
9.3. Odour threshold	Not Available
9.4. pH:	1.4 – 2.0 (20^{o}C)
9.5. Freezing point:	0˚C
9.6. Boiling point/range:	100˚C
9.7. Flash point:	Not determined
9.8. Evaporation rate:	Not determined
9.9. Flammability:	Non-flammable
9.10. Upper/lower flammability or explosive limits:	Not determined
9.11. Vapour pressure:	Not known
9.12. Vapour density:	Not known
9.13. Relative density:	Not determined
9.13.1. Specific gravity:	1.04 -1.08 g/mL
9.14. Solubility(ies):	Infinitely soluble in water
9.15. Partition coefficient: n-octanol/water:	Not available
9.16. Auto-ignition temperature:	Not available
9.17. Decomposition temperature:	Not available
9.18. Viscosity:	Liquid at room temperature
9.19. Specific heat value:	Not available
9.20. Particle size:	Not available
9.21. Volatile organic compounds content:	Not determined
9.22. Not Available	Not available
9.23. Saturated vapour concentration:	Not available
9.24. Release of invisible flammable vapour and gases	Not determined
10. STABILITY AND REACTIVITY	
10.1. Chemical Stability:	Stable under normal conditions of use, storage and temperature
10.2. Conditions to avoid:	Avoid contact with strong oxidizing agents
10.3. Incompatible materials:	Oxidising agents

10.4. Hazardous decomposition products:	Combustion may yield large amounts of oxides of carbon, smoke, incomplete combustion products, flammable hydrocarbons.
10.5. Hazardous reactions:	See section 5 and section 7
11. TOXICOLOGICAL INFORMATION	
11.1. Likely routes of exposure:	Eyes, skin, inhaled.
11.2. Health effects from the likely routes of exposure:	
11.2.1. Acute	No specific toxicological data is available.
Ingestion:	Non-toxic, non-carcinogenic. Acute toxicity in rats LD 50 >3000mg/kg live weight
Eye:	Irritation to eyes, slight corneal iris injury may cause moderate redness.
Skin:	Non-hazardous, non-toxic
Inhalation:	Non-hazardous
11.2.2. Chronic	No long term effects are known.
11.3. Other Information: Numerical measure of toxicity/ Immediate/ delayed and chronic effect from exposure/ exposure levels/ Interactive effects / data limitation.	No information available
12. ECOLOGICAL INFORMATION	
12.1. Ecotoxicity:	Non-toxic
12.2. Persistence and degradability:	Biodegradable
12.3. Bioaccumulative potential:	Unknown
12.4. Mobility:	Unknown
12.5. Other adverse effects:	Unknown
13. DISPOSAL CONSIDERATIONS	
13.1. Disposal methods and containers:	Dispose the waste according to local and state regulations. Contact relevant authority for details. No special considerations for containers.
13.2. Special precautions for landfill or incineration:	As above
13.3. Environmental regulations:	Recycle if possible.
14. TRANSPORT INFORMATION	
14.1. UN Number:	Not applicable
14.2. UN Proper Shipping Name:	Not applicable
14.3. Class and subsidiary risk:	Not applicable
14.4. Packing Group:	Not applicable
14.5. Special precautions for user:	Not applicable
14.6. Hazchem Code:	Not applicable
15. REGULATORY INFORMATION	
15.1. Regulatory Status:	This product is a hospital grade disinfectant. It complies with the regulations for an Option A Hospital Grade Disinfectant. Previously listed with the TGA, due to regulation changes product no longer requires registration
16. OTHER INFORMATION	
16.1. Document Information:	Document Issued 3/10/2022 Replaces 26/08/2020
16.2. Additional Information:	The information contained in this MSDS is, to the best of Caronlab Australia's knowledge and belief, accurate and reliable as of the date issued. The information is provided without any warranty, expressed or implied regarding its correctness or accuracy. Similarly, no warranty expressed or implied shall be created or inferred regarding the product described in this MSDS and Caronlab Australia Pty Ltd will not assume liability for any loss or damage arising out of the use of this information. It is the user's responsibility to satisfy itself that the product is suitable for its intended use.