

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER	
1.1. Product (material) name:	Micro Defence Spray
1.2. Other names:	Liquid concentrate
1.3. Recommended use:	Sanitizing surfaces
1.4. Supplier:	Caronlab Australia Pty Ltd
1.5. Address:	148-150 Victoria Street, North Geelong, Victoria, 3215, Australia
1.6. Phone:	(03) 5227 4999
1.7. Fax:	(03) 5227 4950
1.8. Email:	info@caronlab.com.au
1.9. 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)	Not applicable
3. INGREDIENTS	
Ingredient Citris aurantium amara extract: Water (demineralised): Citric acid: Glycerin:	
4. FIRST AID MEASURES	
4.1. Description of necessary first aid measures	
Ingestion:	Rinse mouth out with water. Do not attempt to induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If large quantities are swallowed, seek medical advice immediately.
Eye:	Flush with water for 15 minutes including under eyelids. If person is wearing contact lenses, remove them prior to flushing. Seek medical advice if discomfort persists.
Skin:	May cause temporary local redness after application. Discontinue use if irritation occurs, seek medical attention if discomfort persists. If directions for use not followed correctly and applied too hot this may cause burns in which case flush with or immerse in cold water. Seek medical attention for burns.
Inhalation:	If respiratory symptoms develop whilst using molten material remove patient from area of exposure into fresh air. If symptoms persist, seek medical advice.
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:	None
6.2. Methods and materials for containment and clean up:	Remains in solid form under normal conditions, pick up or sweep spilled product. If molten, allow to cool and scrape up.
7. HANDLING AND STORAGE	
7.1. Precautions for safe handling:	Observe precautions found on label. Wash face and hands thoroughly with soap and water after use and before eating.
7.2. Conditions for safe storage, including any incompatibilities:	Store in a cool, dry
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1. National exposure standards	None allocated

8.2. Biological limit values	None allocated
8.3. Engineering controls	Use in a well-ventilated area.
8.4. Personal protective equipment	Gloves may be used to minimise contact.
9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1. Appearance:	Amber liquid
9.2. Odour:	Characteristic of no fragrance
9.3. pH:	2.7-3.7 (20oc)
9.4. Vapour Pressure:	Not known
9.5. Vapour density:	Not known
9.6. Boiling point/range:	160oC
9.7. Melting point:	60 oC
9.8. Solubility in water:	Insoluble
9.9. Specific gravity:	0.965
9.10. Flammable materials information:	
flash point and method of detecting flash point; upper and lower flammable (explosive) limits in air; and ignition temperature.	Not applicable Not determined Not determined
9.11. Viscosity at room temperature:	Liquid
9.12. Percent volatile:	0.25%
10. STABILITY AND REACTIVITY	
10.1. Chemical Stability:	Stable under normal conditions
10.2. Conditions to avoid:	Avoid contact with strong oxidizing agents
10.3. Incompatible materials:	
10.4. Hazardous decomposition products:	Combustion may yield large amounts of oxides of carbon, smoke, incomplete combustion products, flammable hydrocarbons.
10.5. Hazardous reactions:	None known
11. TOXICOLOGICAL INFORMATION	
11.1. Likely routes of exposure:	Skin, eyes, inhaled.
11.2. Health effects from the likely routes of exposure:	
11.2.1. Acute	No specific toxicological data is available.
Ingestion:	Product may induce nausea.
Eye:	May cause abrasive irritation to the eyes if they come into contact with the product.
Skin:	Not expected to be an irritant but may cause temporary local redness after application.
Inhalation:	When heated, the vapour/fumes given off may cause respiratory tract irritation.
11.2.2. Chronic	No long term effects are known.
11.3. Other Information:	None
12. ECOLOGICAL INFORMATION	
12.1. Ecotoxicity:	Not expected to be harmful to aquatic or terrestrial organisms.
12.2. Persistence and degradability:	Expected to be persistent.
12.3. Mobility:	Expected to partition to sediment and wastewater solids. Minimally volatile.
13. DISPOSAL CONSIDERATIONS	
13.1. Disposal methods and containers:	Dispose the waste as a non-hazardous organic solid 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
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:	Not applicable
16. OTHER INFORMATION	
16.1. Document Information:	Document Issued 30.01.2012 Replaces March 2008
16.2. Additional Information:	The information contained in this MSDS is, to the best of Caron Laboratories' 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 Caron Laboratories 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