



Date of Issue: 9 July, 2010

## 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

<b>Product Name</b>	<b>Restore</b>
<b>Code</b>	<b>26321</b>
<b>Product Use</b>	BFA Registered acid descaler for use in organic systems.
<b>Company Name</b>	Cafetto
<b>Address</b>	12 Coglin Street, Brompton SA 5007, Australia
<b>Telephone</b>	Australia 1300 364 440 New Zealand 0800 772 227 Singapore 800 616 3122 International +61 8 8245 6901
<b>Facsimile</b>	Australia 1300 737 538 New Zealand 0800 440 182 International +61 8 8340 2485
<b>Emergency Phone</b>	Australia 131 126 New Zealand 0800 764 766

## 2. HAZARDS IDENTIFICATION

<b>Classification</b>	NON – HAZARDOUS SUBSTANCE, NON – DANGEROUS GOODS
<b>Risk Phrase</b>	Poisons Schedule: not classified Irritating to eyes and skin
<b>Safety Phrases</b>	Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Citric acid	77-92-9	>60%

## 4. FIRST AID MEASURES

<b>Ingestion</b>	If swallowed do NOT induce vomiting. Immediately wash out mouth with water. Seek medical attention if symptoms persist.
<b>Eye</b>	If in eyes, hold eye lids apart and flush the eye continuously with running water for at least 15 minutes. Seek medical attention.
<b>Skin</b>	If skin contact occurs, remove contaminated clothing and wash off with water. Do not re-use contaminated clothing until washed. Seek medical attention if symptoms persist.
<b>Inhaled</b>	Not normally a hazard due to nature of use. However if breathing is affected move to fresh air. Seek medical attention if required.
<b>First Aid Facilities</b>	An eye wash fountain, safety shower and general washing facility should be available adjacent to the work area.
<b>Advice to Doctor</b>	Treat symptomatically. For advice contact a Poisons Information Centre. (Phone Australia 131 126; New Zealand 0800 764 766)



Date of Issue: 9 July, 2010

Product Name: Restore

---

## 5. FIRE FIGHTING MEASURES

---

<b>Extinguishing Media</b>	Use appropriate extinguishing media to suit surrounding area. Do not use a direct water stream.
<b>Hazards from Combustion</b>	Material does not burn. If involved in fire hazardous decomposition products include toxic gases and vapours.
<b>Precautions for Fire Fighters</b>	Wear chemical splash suit and SCBA. Keep containers cool by spraying with water. Contact with metals may evolve flammable hydrogen gas.
<b>Hazchem</b>	None assigned for product.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

<b>Emergency Procedures</b>	Keep unauthorised people away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Clean Up</b>	For minor spills sweep up, then rinse area with water.

---

## 7. HANDLING AND STORAGE

---

<b>Handling</b>	Wear appropriate protective clothing to prevent skin and eye contact. Use in well ventilated area. Keep containers closed when not in use. Maintain a high standard of personal hygiene. Wash hands immediately after using product.
<b>Storage</b>	Store in a cool, dry, well ventilated place out of direct sunlight. Store in closed containers. Store away from incompatible materials such as caustic compounds, chlorine bleaches, aluminium or zinc. Ensure storage area is secure.

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

<b>Exposure Standards</b>	No exposure standards are listed for the product.
<b>Engineering Controls</b>	Ensure adequate ventilation.
<b>Personal Protective Equipment</b>	Wear gloves when handling. Wear gloves and goggles if decanting or cleaning up spillage of neat product.



Date of Issue: 9 July, 2010

Product Name: Restore

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

<b>Appearance</b>	Colourless to white crystals with negligible odour.
<b>Solubility in Water</b>	Soluble
<b>pH at 1%</b>	2.2
<b>Flash Point</b>	Not relevant
<b>Melting Point</b>	Blend
<b>Boiling Point</b>	Not relevant
<b>Specific Gravity</b>	1.66

---

## 10. STABILITY AND REACTIVITY

---

<b>Stability</b>	Stable product.
<b>Hazardous</b>	Will not occur.
<b>Polymerisation</b>	
<b>Conditions to Avoid</b>	Avoid high heat.
<b>Incompatible Materials</b>	Reacts with caustic and evolves chlorine gas if mixed with chlorine bleach.

---

## 11. TOXICOLOGICAL INFORMATION

---

<b>Ingestion</b>	Irritating to gastro intestinal tract.
<b>Eye</b>	Irritating to eyes. Will cause severe irritation if not rinsed promptly.
<b>Skin</b>	Contact with skin can result in irritation.
<b>Inhalation</b>	Airborne dust can cause irritation to the mucous membranes and upper respiratory tract.
<b>Chronic Effects</b>	Prolonged or repeated exposure to this product will result in skin irritation and possibly result in dermatitis.
<b>Toxicological Data</b>	None available for product. For citric acid. Oral LD L50 : 6730mg/kg (rat) Skin 500mg/24H: Moderate (rabbit) (Reference: Dangerous Properties of Industrial Materials 7th Edition)

---

## 12. ECOLOGICAL INFORMATION

---

<b>Ecotoxicity</b>	For citric acid Goldfish LCo: 625mg/l Inherent biodegradability 98% after 7 days. Avoid contaminating waterways.
--------------------	--

---

## 13. DISPOSAL CONSIDERATIONS

---

Refer to Waste Management Authority. Dispose of material through licensed waste contractor. Assure conformity with all applicable regulations.



Date of Issue: 9 July, 2010

Product Name: Restore

---

#### 14. TRANSPORT INFORMATION

---

<b>UN No.</b>	None allocated
<b>Proper Shipping Name</b>	None allocated
<b>Hazchem Code</b>	None allocated
<b>Class</b>	None allocated
<b>Packing Group</b>	None allocated

---

#### 15. REGULATORY INFORMATION

---

<b>Classification</b>	This material is not classified as hazardous according to criteria of ASCC.
-----------------------	---

---

#### 16. OTHER INFORMATION

---

<b>Contact Point</b>	Cafetto. Phone +61 8 8245 6901 24 hour medical emergency 131 126 (Australia) 0800 764 766 (New Zealand)
<b>Date of Preparation</b>	9 <sup>th</sup> July 2010