

## SAFETY DATA SHEET

Product Name: **APRON REFRESHER**

### 1. Identification of product/substance/mixture and company

Supplier Name	Imaging Solutions Pty Ltd
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MSDS Date	30 <sup>th</sup> June 2021
Description	Linen spray
Product Code	N/A
Intended Use	Cleansing agent
Country of Origin	Australia

### 2. Hazards Identification

Classification of the product	Classified as hazardous according to the criteria of NOHSC
Label Elements	Classified as a dangerous good Un 1719 according to criteria of ADG Code Classified as schedule 5 according to criteria of SUSDP
Other Hazards	Corrosive and dangerous for the environment
Risk Phrases	R34 - Causes burns R41 – Risk of serious damage to eyes R51 – Toxic to aquatic organisms
Safety Phrases	S1/2 – Keep locked up and out of reach of children. S24/25 – Avoid contact with eyes and skin. S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 – After contact with skin, wash immediately with plenty of soap-suds. S36/37/39 – Wear suitable protective clothing, gloves and eye/face protection. S45 – In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible). S61 – Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.
Known acute toxicity	N/A

### 3. Composition/Information on ingredients

The ingredients below are considered either **hazardous, dangerous goods or poison scheduled** according to the criteria of NOHSC, SDG Code and SUSDP (respectively) at the levels used in the product.

Ingredient	CAS No.	Proportion (w/w%)
Ortho-phenylphenol	90-43-7	≤1.5%
Succinic acid	110-15-6	≤1.0%
Sodium hydroxide	1310-73-7	≤1.0%

Other ingredients are not determined to be hazardous to 100%

#### 4. First Aid Measures

Inhalation	Remove from source of exposure to fresh air. Seek medical assistance if the effects persist
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor
Eye	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes
Ingestion	For advice, contact a Poisons Information Centre (Phone Australia 131126, New Zealand 0800 764 766) or a doctor. If swallowed, do NOT induce vomiting
First aid facilities	Portable water should be available to rinse eyes or skin. Provide eye baths and safety showers
Notes to physician	Treat symptomatically

#### 5. Fire Extinguishing Measures

Extinguishing media	Water spray, foam, carbon dioxide or dry chemical powder
Hazards from combustion	The product is non-combustible, however, the packaging material may burn to emit noxious fumes. Contact with metals may liberate hydrogen gas which is extremely flammable
Precautions for fire fighters and special protective equipment	Fire fighters should wear self-contained breathing apparatus to minimize risk of exposure to vapour or products of combustion
Hazchem	2R

#### 6. Accidental release measures

Emergency procedures	Spillages are slippery. Ensure adequate ventilation. Keep spectators away – rope off the area. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination
Methods and materials for containment and clean up	Contain the spill and prevent run off into confined areas, drains and waterways. Large spills: absorb with dry earth, sand or other similar material. Collect and seal in properly labelled drums for disposal in an area approved by local authority by-laws. Wash area down with excess water to remove residual material. Small spills: may be safely mopped up and area washed with excess water. Incineration of disposed material is not recommended, as it is unlikely to adequately burn

#### 7. Handling and storage

Precautions for safe handling	Keep containers closed at all times - check regularly for leaks or spills. Transport and store upright. Avoid eye contact and repeated or prolonged skin contact. Do not eat, drink or smoke in contaminated areas. Always remove contaminated clothing and wash hands before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.
Conditions for safe storage	Store in a cool dry well-ventilated area out of sunlight and away from incompatible materials and foodstuffs. This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

## 8. Exposure controls/personal protection

National exposure standards	No value assigned for this specific material by NOHSC, however as published by NOHSC T.W.A. for Sodium hydroxide = 2 mg/m <sup>3</sup> (Peak Limitation)
Biological limit values	No biological limit allocated
Engineering controls	Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing a respirator. Keep containers closed when not in use.
Personal protective equipment	Protective equipment must be worn at all times. Risk assessments should always be conducted to identify the hazards and in turn determine the appropriate personal protective equipment for the hazard. Protective gloves: elbow-length laminate film, natural rubber, nitrile, neoprene, neoprene/natural rubber blend or PVC impervious gloves. Always check with the glove manufacturer or your personal protective equipment supplier regarding the correct type of glove to use. Consult AS/NZS 2161 for further information. Eye protection: safety glasses/goggles with side shield protection and/or full-face shield. Consult AS/NZS 1336 and AS/NZS 1337 for further information. Clothing and footwear: waterproof apron, coveralls, trousers, long sleeved shirt, closed in shoes and/or safety footwear. Consult AS/NZS 2210 and AS/NZS 2919 for further information. Respiratory Protection: Avoid breathing mist, sprays or vapours. Where ventilation is not adequate, respiratory protection may be required. Any air-purifying respirator with a particulate and/or gas filters or any chemical cartridge respirator with cartridge(s) providing protection against the compound of concerns meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## 9. Physical and chemical properties

Appearance	Clear, blue coloured liquid
Odour	Minty
pH	12

Specific gravity/ density	>1
Vapour pressure	Similar to water
Percent Volatiles	Not applicable
Boiling point/ range	100°C
Freezing/ melting point	No information available
Flammability limits	No information available
Ignition temperature	No information available
Shelf life	2 years
Other	This product contains dilute mixture of sodium salts of ortho-phenyl phenol and succinic acid, and a small residual of unreacted sodium hydroxide in water.

## 10. Stability and reactivity

Chemical Stability	Stable at standard temperature and pressure
Conditions to avoid	N/A
Incompatible materials	Acids will reduce clearing effectiveness
Hazardous decomposition products	The packaging material may burn to emit noxious fumes
Hazardous reaction	Not applicable

## 11. Toxicological information

*No adverse health effects expected if the product is handled in accordance with Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:*

Acute Effects	
Ingestion	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
Eye Contact	Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
Skin Contact	Corrosive to skin - may cause skin burns.
Inhalation	Breathing in mists or aerosols may produce respiratory irritation.
Long Term Effects	No information available
Acute Toxicity/ Chronic Toxicity	No toxicity data for this specific product, however toxicity data for the hazardous ingredient is listed below. TOXICITY DATA FOR SODIUM HYDROXIDE: Intrapertioneal LD50 (mouse) 40 mg/kg Oral Lowest Lethal Dose (rabbit) 500 mg/kg Skin (rabbit) severe irritation 500 mg/24hr Eyes (rabbit) severe irritation 1 mg/30sec rinse TOXICITY DATA FOR ORTHO-PHENYLPHENOL: Oral LD50 (rat) 2000 mg/kg Oral LD50 (mouse) 1050 mg/kg TOXICITY DATA FOR SUCCINIC ACID Oral LD50 (rat) 2260 mg/kg Oral LD50 (mouse) Intravenous 4500 mg/kg

## 12. Ecological information

Ecotoxicity	Avoid contaminating waterways. The product is highly alkaline. If large spills occurred a water pH rise could be responsible for an environmental effect on aquatic organisms. If not neutralised this product could potentially be toxic for aquatic organisms because of its alkalinity (pH> 9 can have an effect on fish, with possible fish death). pH> 8.5 could be destroying for algae.
Persistence and degradability	Surfactants are readily biodegradable to AS4351.
Mobility	No information available.
Other	None.

### 13. Disposal Considerations

Disposal Methods	Empty containers should be forwarded to an approved agent for recycling. Avoid unauthorized discharge to sewer
Special precautions for landfill or incineration	The product is suitable for disposal by landfill through n approved agent. Incineration of the product is not recommended as it unlikely to adequately burn.

### 14. Transport Information

<b>Road and rail transport</b>	Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.
UN number	1719
UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM SALTS OF MIXED PHENOLIC COMPOUNDS AND ORGANIC ACIDS)
Class and subsidiary risks	8
Packaging group	III
Hazchem code	2R
Initial emergency response guide	Guide 37
Segregation dangerous goods	Not to be loaded with corrosives (strong acids of class 8), foodstuffs and foodstuff
<b>Marine transport</b>	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN number	1719
UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM SALTS OF MIXED PHENOLIC COMPOUNDS AND ORGANIC ACIDS)
Class and subsidiary risks	8
Packaging group	III
Stowage and segregation	Category A. "Away from" acids
<b>Air transport</b>	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) for transport by air.
UN number	1719
UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS SODIUM SALTS OF MIXED PHENOLIC COMPOUNDS)

Class and subsidiary risks	8
Packaging group	III
ERG code	8L

**15. Other Information**

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**END OF REPORT**