

SAFETY DATA SHEET

Spray & Dip RTU

Preparation Date: 25-Aug-2015

Revision Number: 2.0

Revision Date: 20-Feb-2017

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name Spray & Dip RTU
Item#: AUS58771
Recommended use Teat sanitizer
Uses advised against Restricted to professional users

Supplier DeLaval Pty Ltd
1 Global Drive
Westmeadows, VIC 3049
Australia
Telephone 61-3-8336-7977

Emergency Telephone Number 131 126 (Poison Control Centre)

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Not Hazardous. Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

2.2. Label Elements

Precautionary statements P102 - Keep out of reach of children

Note

Signal words and pictograms are not required on labels for AgVet chemicals.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium Hydroxide	1310-73-2	0 - 1%
Iodine	7553-56-2	0 - 1%
Citric acid	77-92-9	0 - 1%
Sodium iodide	7681-82-5	0 - 1%
Water	7732-18-5	> 60%
Glycerol	56-81-5	1 - 10%
Polyethylene-polypropylene glycol	9003-11-6	0 - 1%
Sodium chloride (NaCl)	7647-14-5	0 - 1%
Polyoxyethylene 20 sorbitan monooleate	9005-65-6	0 - 1%
Iodic acid (HIO ₃), sodium salt	7681-55-2	0 - 1%
Other non-hazardous ingredients	NOT SPECIFIED	0 - 1%
Xanthan gum	11138-66-2	0 - 1%
Trade Secret	@CAS	0 - 1%

4. FIRST AID MEASURES

Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin contact	Wash off with warm water and soap. Get medical attention if irritation develops and persists.
Inhalation	Move to fresh air. Get medical attention if symptoms occur.
Ingestion	Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Effects of overexposure	No information available
Indication of any immediate medical attention and special treatment needed	No information available

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	No information available
Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating gases and vapours.
Protective Equipment and Precautions for Firefighters	Standard procedure for chemical fires.
Hazchem Code	No Hazchem Code allocated

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	For personal protection see section 8.
Environmental Precautions	Prevent product from entering drains.
Methods for cleaning up	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Safe Handling Advice	Handle in accordance with good industrial hygiene and safety practice.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures below 30°C.
Incompatible products	No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

Chemical Name	ES-TWA	ES-STEL	ES-Peak
Sodium Hydroxide			2 mg/m ³
Iodine			0.1 ppm 1 mg/m ³
Glycerol	10 mg/m ³		

Biological standards

No biological limit allocated

Engineering Controls

Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/face Protection

Safety glasses with side-shields

Skin Protection

Long sleeved clothing, Boots

Hand Protection

Protective gloves

Respiratory Protection

No special protective equipment required.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown
Physical state	Liquid
Odor	Slight
Odor Threshold	No information available
pH	4 - 7
Specific Gravity	1.0
Vapor Pressure	No data available
Vapor Density	No data available
Flash Point	No data available
Autoignition Temperature	No data available
Boiling Point/Range	No data available
Melting Point/Range	No data available
Freezing Point/Range	No data available
Decomposition temperature	No information available
Flammability (solid, gas)	No information available
Explosion Limits	No information available
Evaporation Rate	No data available
Relative Density	No data available
Solubility	No information available
Partition Coefficient (n-octanol/water)	No data available
Viscosity	No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available
Chemical Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal use
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	strong acids, strong bases, strong oxidizing agents
Hazardous decomposition products	Iodine

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Inhalation	No information available.
Skin contact	No information available.
Ingestion	No information available.

Component Analysis - LD50/LC50

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Hydroxide 1310-73-2		= 1350 mg/kg (Rabbit)	
Iodine 7553-56-2	14000 mg/Kg		137 ppm 4.588 mg/L
Citric acid 77-92-9	= 3000 mg/kg (Rat)	> 2000 mg/kg (rat)	
Sodium iodide 7681-82-5	= 4340 mg/kg (Rat)		
Glycerol 56-81-5	= 12600 mg/kg (Rat)	21900 mg/kg (Rat)	> 570 mg/m ³ (Rat) 1 h
Polyethylene-polypropylene glycol 9003-11-6	= 5700 mg/kg (Rat)		= 320 mg/m ³ (Rat) 4 h
Sodium chloride (NaCl) 7647-14-5	= 3 g/kg (Rat)	> 10 g/kg (Rabbit)	> 42 g/m ³ (Rat) 1 h
Polyoxyethylene 20 sorbitan monooleate 9005-65-6	= 34500 µL/kg (Rat)		
Xanthan gum 11138-66-2			
Trade Secret	= 1900 mg/kg (Rat)	= 10000 mg/kg (Rabbit)	

Potential Health Effects

Skin Corrosion/Irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.

Mutagenic effects	No information available.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive Effects	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	Not hazardous.
Aspiration Hazard	No information available.
Information on likely routes of exposure	No known significant effects or critical hazards
Early onset symptoms related to exposure (Immediate effects)	None known
Delayed health effects from exposure	none known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sodium Hydroxide		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		
Iodine		LC50 (96 h) 0.53 mg/L		LC50 (48 h) 0.16 mg/L
Citric acid		1516: 96 h Lepomis macrochirus mg/L LC50 static	EC50 = 14 mg/L 15 min	120: 72 h Daphnia magna mg/L EC50
Glycerol		51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static		500: 24 h Daphnia magna mg/L EC50
Sodium chloride (NaCl)		5560 - 6080: 96 h Lepomis macrochirus mg/L LC50 flow-through 12946: 96 h Lepomis macrochirus mg/L LC50 static 6020 - 7070: 96 h Pimephales promelas mg/L LC50 static 7050: 96 h Pimephales promelas mg/L LC50 semi-static 6420 - 6700: 96 h		1000: 48 h Daphnia magna mg/L EC50 340.7 - 469.2: 48 h Daphnia magna mg/L EC50 Static

		Pimephales promelas mg/L LC50 static 4747 - 7824: 96 h Oncorhynchus mykiss mg/L LC50 flow-through		
Xanthan gum				
Trade Secret		20 - 40: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 24: 96 h Oncorhynchus mykiss mg/L LC50 static 37: 96 h Lepomis macrochirus mg/L LC50 static		36: 48 h Daphnia magna mg/L EC50

Persistence and degradability No information available

Bioaccumulation/Accumulation No information available.

Mobility Will likely be mobile in the environment due to its water solubility.

Other adverse effects No information available

Biodegradation No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Can be landfilled, when in compliance with local regulations. Dispose of in accordance with local regulations.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

Not regulated

Road and Rail transport

UN-No	Not regulated
Proper Shipping Name	Not regulated
Technical name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
Environmental hazard	Not regulated
Special Precautions	Not regulated
Hazchem Code	No Hazchem Code allocated

IMDG/IMO

UN-No	Not regulated
Proper shipping name	Not regulated
Technical name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
IMDG Marine Pollutant	Not regulated

IATA/ICAO

UN-No	Not regulated
Proper Shipping Name	Not regulated
Technical name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	No information available
Poison Schedule Number	No poison schedule number allocated
APVMA Approval Number	58771/58072

16. OTHER INFORMATION

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Reason for revision	Classification according to GHS.

Disclaimer

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End of SDS