

Preparation Date: 20-Feb-2017

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

Product Name Teatsan
Item#: AUS00004
Recommended use Teat Dip
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 %
Iodine	7553-56-2	1 - 10%
sodium iodide	7681-82-5	1 - 10%
Citric acid	77-92-9	0 - 1%
Sodium Hydroxide	1310-73-2	0 - 1%
Water	7732-18-5	30 - 60%
Propylene Glycol	57-55-6	10 - 30%
Glycerol	56-81-5	10 - 30%
Alcohols, C9-11, ethoxylated	68439-46-3	1 - 10%
Polyethylene-polypropylene glycol	9003-11-6	1 - 10%

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	Drink 1 or 2 glasses of water. Consult 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	No information available.
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 further leakage or spillage if safe to do so.
Methods for cleaning up	Take up mechanically and collect in suitable container for disposal.

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.
Incompatible products	No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
--

Occupational exposure controls**Exposure limits**

Chemical name	ES-TWA	ES-STEL	ES-Peak
Iodine			0.1 ppm 1 mg/m ³
Sodium Hydroxide			2 mg/m ³
Propylene Glycol	150 ppm 474 mg/m ³ 10 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

Dark amber

Physical state

Liquid

Odor

Iodine

Odor Threshold

No information available

pH

5

Specific Gravity

1.125 (@ 25 °C)

Vapor Pressure

No data available

Vapor Density

No data available

Flash Point

> 100 °C

Autoignition Temperature

No data available

Boiling Point/Range

No data available

Melting Point/Range

No data available

Freezing Point/Range

-150 °C

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

No data available

(n-octanol/water)**Viscosity**

70 - 90 cP (25°C)

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	No information available

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
Iodine 7553-56-2	14000 mg/Kg		137 ppm 4.588 mg/L
sodium iodide 7681-82-5	= 4340 mg/kg (Rat)		
Citric acid 77-92-9	= 3000 mg/kg (Rat)	> 2000 mg/kg (rat)	
Sodium Hydroxide 1310-73-2		= 1350 mg/kg (Rabbit)	
Propylene Glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	
Glycerol 56-81-5	= 12600 mg/kg (Rat)	21900 mg/kg (Rat)	> 570 mg/m ³ (Rat) 1 h
Alcohols, C9-11, ethoxylated 68439-46-3	= 1400 mg/kg (Rat) = 1378 mg/kg (Rat)	> 2 g/kg (Rabbit)	
Polyethylene-polypropylene glycol 9003-11-6	= 5700 mg/kg (Rat)		= 320 mg/m ³ (Rat) 4 h

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
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
Sodium Hydroxide		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		
Propylene Glycol	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50	EC50 = 710 mg/L 30 min	1000: 48 h Daphnia magna mg/L EC50 Static 10000: 24 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

Persistence and degradability No information available

Bioaccumulation/Accumulation No information available.

Mobility No information available.

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

16. OTHER INFORMATION

Prepared By DeLaval NV
Industriepark-Drongen 10
9031 Gent
Belgium

Preparation Date: 20-Feb-2017

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of SDS