

# SAFETY DATA SHEET

# Teatsan

Preparation Date: 20-Feb-2017  
Revision Number: 0.2  
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## 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.  
ACN 004 210 459,  
37 Bayside Avenue,  
Port Melbourne,  
VIC 3207,  
Australia. +61-3-8336 7977,  
Fax +61-3-8336 7900

**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

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

**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%

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#### 4. FIRST AID MEASURES

<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	Wash off with warm water and soap. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	Move to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Consult a physician.
<b>Effects of overexposure</b>	No information available
<b>Indication of any immediate medical attention and special treatment needed</b>	No information available

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	No information available
<b>Specific hazards arising from the chemical</b>	No information available.
<b>Protective Equipment and Precautions for Firefighters</b>	Standard procedure for chemical fires.
<b>Hazchem Code</b>	No Hazchem Code allocated

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	For personal protection see section 8.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Take up mechanically and collect in suitable container for disposal.

#### 7. HANDLING AND STORAGE

<b>Safe Handling Advice</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
<b>Incompatible products</b>	No information available.

<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Occupational exposure controls****Exposure limits**

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

**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.

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
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**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**

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

11. TOXICOLOGICAL INFORMATION
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**Acute Toxicity**

<b>Inhalation</b>	No information available.
<b>Skin contact</b>	No information available.
<b>Ingestion</b>	No information available.

**Component Analysis - LD50/LC50**

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Iodine 7553-56-2	14000 mg/kg (Rat)		137 ppm = 4,588 mg/L 4h dust (rat)
sodium iodide 7681-82-5	= 4340 mg/kg ( Rat )		
Citric acid 77-92-9	= 3 g/kg ( Rat ) = 3000 mg/kg ( Rat )	> 2000 mg/kg (rat)	
Sodium Hydroxide 1310-73-2	-	= 1350 mg/kg ( Rabbit )	-
Water 7732-18-5	> 90 mL/kg ( Rat )		
Propylene Glycol 57-55-6	= 20 g/kg ( Rat )	= 20800 mg/kg ( Rabbit )	
Glycerol 56-81-5	= 12600 mg/kg ( Rat )	21900 mg/kg ( Rat )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
Alcohols, C9-11, ethoxylated 68439-46-3	> 300 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	
Polyethylene-polypropylene glycol 9003-11-6	= 16 g/kg ( Rat ) = 5700 mg/kg ( Rat )		= 320 mg/m <sup>3</sup> ( Rat ) 4 h

**Potential Health Effects**

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

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

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Iodine	EC = 0.13 mg/L	LC50 (96 h) 0.53 mg/L		LC50 (48 h) 0.16 mg/L
sodium iodide		LC50 [2] > 860 mg/L (Oncorhynchus mykiss) (96h)		ELC50 = 1.27 mg/l (Daphnia magna) (48H)
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		LC 50 (96 h) 45.4 mg/l (Oncorhynchus mykiss)		EC50 (48 hour): 40.4 mg/l (Ceriodaphnia dubia) >100 mg/l (daphnia) (OECD 202)
Propylene Glycol	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	51600: 96 h Oncorhynchus mykiss mg/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 710: 96 h Pimephales promelas mg/L LC50	EC50 = 710 mg/L 30 min	10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static
Glycerol		51 - 57: 96 h		500: 24 h Daphnia

		Oncorhynchus mykiss mL/L LC50 static		magna mg/L EC50
Alcohols, C9-11, ethoxylated	EC50 > 1 - <= 10 mg/l	LC50 >1 - <= 10 mg/l	EC50 >100 mg/l (Bacteria)	

**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

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

#### IMDG/IMO

<b>UN number or ID number</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Technical name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing Group</b>	Not regulated
<b>IMDG Marine Pollutant</b>	Not regulated

#### IATA/ICAO

<b>UN number or ID number</b>	Not regulated
<b>Proper Shipping Name</b>	Not regulated
<b>Technical name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated

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15. REGULATORY INFORMATION
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**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
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**Prepared By**

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Industriepark-Drongen 10  
9031 Gent  
Belgium

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16-Jun-2022

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0.2

**Reason for revision**

Supplier Address.

**Disclaimer**

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**End of SDS**