

**Preparation Date:** 27-Jan-2009  
**Revision Number:** 2.1  
**Revision Date:** 13-Sep-2024  
**Date of Next Revision:** 12-Sep-2029

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

<b>Product Name</b>	KontACT
<b>Item#:</b>	NZ14337
<b>Recommended use</b>	Teat dip concentrate
<b>Uses advised against</b>	Restricted to professional users
<b>Supplier</b>	DeLaval Ltd, 82 Greenwood street, Hamilton New Zealand
<b>Telephone Number</b>	(07) 849-6020 (8am - 4:30pm Mon-Fri)
<b>Emergency Telephone Number</b>	+64 3 474 7000 (National Poisons Centre) 0800 243 622 CHEMCALL

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture according to GHS

Skin corrosion/irritation - Category 2  
Serious eye damage/eye irritation - Category 2  
Skin sensitization - Category 1  
Specific target organ toxicity (repeated exposure) - Category 2  
Chronic aquatic toxicity - Category 3

### 2.2. Label Elements

#### Hazard Pictogram(s)



#### Signal word

WARNING

#### Hazard Statements

H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H317 - May cause an allergic skin reaction  
H373 - May cause damage to organs (Thyroid) through prolonged or repeated exposure  
H412 - Harmful to aquatic life with long lasting effects

<b>Precautionary statements</b>	<p>P102 - Keep out of reach of children  P103 - Read label before use  P260 - Do not breathe dust/fume/gas/mist/vapors/spray  P264 - Wash hands thoroughly after handling  P272 - Contaminated work clothing should not be allowed out of the workplace  P280 - Wear protective gloves/protective clothing/eye protection/face protection  P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  P337 + P313 - If eye irritation persists: Get medical advice/attention  P314 - Get medical advice/attention if you feel unwell  P362 + P364 - Take off contaminated clothing and wash it before reuse  P273 - Avoid release to the environment  P501 - Dispose of contents/container in accordance with local regulations</p>
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**Contains** Iodine, Sodium iodide

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Polyethylene-polypropylene glycol	9003-11-6	1 - 10%
Iodine	7553-56-2	1 - 10%
Sodium iodide	7681-82-5	0 - 1%

### 4. FIRST AID MEASURES

<b>Workplace Facilities</b>	Eyewash bottle with clean water
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes If eye irritation persists, get medical advice/attention
<b>Skin contact</b>	Remove contaminated clothing and shoes Wash off immediately with plenty of water for at least 15 minutes If skin irritation persists, call a physician
<b>Inhalation</b>	Move to fresh air Give oxygen or artificial respiration if needed Seek medical attention if the patient shows any sign of respiratory difficulties
<b>Ingestion</b>	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

### 5. FIRE-FIGHTING MEASURES

<b>Hazchem Code</b>	No Hazchem Code allocated
<b>Flammable Properties</b>	The product is not flammable.
<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.

**Specific hazards arising from the chemical** Product will decompose at high temperatures releasing poisonous fumes of iodine vapor.

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Avoid contact with skin, eyes and clothing. Use personal protective equipment.

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Avoid dispersal of spilt material into waterways, drains, and sewers.

**Methods for cleaning up** Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

**Handling** Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

**Storage** Keep container tightly closed in a dry and well-ventilated place. Keep in properly labelled containers.

**Type of Container/Package** Store in original container

Handle and store according to AS/NZS Standards and the Responsible Care Management Systems: Managers Handbook.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	WES (New Zealand)
Iodine	TWA: 0.01 ppm TWA: 0.05 mg/m <sup>3</sup> Ceiling: 0.1 ppm Ceiling: 1 mg/m <sup>3</sup>

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### **Personal Protective Equipment**

**Eye/face Protection** Safety glasses with side-shields.

**Skin Protection** Wear overalls, rubber gloves, gumboots, and PVC apron

**Respiratory Protection** No special protective equipment required.

### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wash hands and face before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Red brown

<b>Physical state</b>	Liquid
<b>Odor</b>	Iodine
<b>pH</b>	5
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Flash Point</b>	The product is not flammable
<b>Autoignition Temperature</b>	No data available
<b>Upper flammability limit:</b>	No data available
<b>Lower flammability limit:</b>	No data available
<b>Boiling Point/Range</b>	No data available
<b>Freezing Point/Range</b>	No data available
<b>Water Solubility</b>	Soluble in water
<b>Solubility</b>	No information available
<b>Solubility in other solvents</b>	No data available
<b>Specific Gravity</b>	1.09
<b>Kinematic viscosity</b>	

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Incompatible Materials</b>	oxidizing agents
<b>Hazardous decomposition products</b>	Thermal decomposition can lead to release of poisonous fumes. (. Iodine. ).

## 11. TOXICOLOGICAL INFORMATION

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

### Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Polyethylene-polypropylene glycol	= 5700 mg/kg ( Rat ) = 16 g/kg ( Rat )		= 320 mg/m <sup>3</sup> ( Rat ) 4 h
Iodine	315 mg/Kg (rat)	1425 mg/kg (rabbit)	4,588 mg/L 4h D/M (rat)
Sodium iodide	= 4340 mg/kg ( Rat )		

<b>Irritation</b>	Irritating to skin Irritating to eyes
<b>Corrosivity</b>	No information available.
<b>Sensitization</b>	May cause an allergic skin reaction.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure. Thyroid.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Ecotoxicity effects** Harmful to aquatic life with long lasting effects

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 > 860 mg/L (Oncornhynchus mykiss, Rainbow trout) (96h)		ELC50 = 1.27 mg/l (Daphnia magna) (48h)

**Persistence and degradability** No information available

**Bioaccumulation/Accumulation** No information available.

**Mobility** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with local regulations. Should not be released into the environment.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

<b>UN-No</b>	Not regulated
<b>Proper Shipping Name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Hazchem Code</b>	No Hazchem Code allocated

## 15. REGULATORY INFORMATION

**ERMA NZ Registration Number** HSR002310

**ERMA Group Standard** Hazardous Substances (Veterinary Medicines) Transfer Notice 2005

**HSNO Conditions**  
 Hazardous Substances Location trigger quantity: N/A  
 Approved Handler trigger quantity: N/A  
 Secondary containment trigger quantity: 1000L or 1000kg  
 Signage trigger quantity: 1000L or 1000kg  
 Response Plan trigger quantity: 1000L or 1000kg

**ERMA Reference** ERMA User Guide to the HSNO Controls, which links to the Hazardous Substances Regulations 2001

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16. OTHER INFORMATION
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<b>Prepared By</b>	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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<b>Reason for revision</b>	Update Section: 1 (supplier information)
<b>References</b>	<ul style="list-style-type: none"><li>- Hazardous Substances (Hazardous Classification) Notice 2020</li><li>- Hazardous substances (Labelling) Notice 2017</li><li>- Hazardous Substances (Safety Data Sheets) Notice 2017</li><li>- GHS8</li><li>- European Agreement concerning the International Carriage of Dangerous Goods by Road</li><li>- New Zealand Workplace Exposure Standards (WES)</li><li>- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans</li><li>- Chemical Classification and Information Database (CCID)</li></ul>

**Disclaimer**

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**End of SDS**