

Preparation Date: 27-Jan-2009  
Revision Number: 1.1  
Revision Date: 13-Sep-2024  
Date of Next Revision: 12-Sep-2029

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

**Product Name** KontACT RTU Advanced  
**Item#:** NZ20754  
**Recommended use** Teat Dip  
**Uses advised against** Restricted to professional users

**Supplier** DeLaval Ltd,  
82 Greenwood street,  
Hamilton  
New Zealand

**Telephone Number** (07) 849-6020  
(8am - 4:30pm Mon-Fri)

**Emergency Telephone Number** 0800 764 766 (National Poison Centre)  
0800 243 622 CHEMCALL

## 2. HAZARD IDENTIFICATION

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

Skin sensitization - Category 1  
Chronic aquatic toxicity - Category 3

### 2.2. Label Elements

#### Hazard Pictogram(s)



**Signal word** WARNING

**Hazard Statements** H317 - May cause an allergic skin reaction  
H412 - Harmful to aquatic life with long lasting effects

**Precautionary statements** P102 - Keep out of reach of children  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P273 - Avoid release to the environment  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P317 - If skin irritation or rash occurs: Get medical help  
 P362 + P364 - Take off contaminated clothing and wash it before reuse  
 P501 - Dispose of contents/container in accordance with local regulations

**Contains** Iodine, Sodium iodide

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%
Iodine	7553-56-2	0 - 1%
Sodium iodide	7681-82-5	0 - 1%

**4. FIRST AID MEASURES**

**Workplace Facilities** Eyewash bottle with clean water

**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes  
 Get medical attention if irritation develops and persists

**Skin contact** Remove contaminated clothing and shoes  
 Wash off immediately with plenty of water for at least 15 minutes  
 Get medical attention if irritation develops and persists

**Inhalation** Move to fresh air  
 Oxygen or artificial respiration if needed  
 Seek medical attention if the patient shows any sign of respiratory difficulties

**Ingestion** 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**

**Hazchem Code** No Hazchem Code allocated

**Flammable Properties** The product is not flammable.

**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** 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**

Keep away from food, drink, and animal feeding stuffs. When using, do not eat, drink, or smoke. Contaminated work clothing should not be allowed out of the work place. Avoid contact with skin, eyes, and clothing. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance**                                      Brown Clear
- Physical state**                                      Liquid
- Odor**    Iodine
- pH**    3.8 - 4.1
- Vapor Pressure**                                      No data available
- Vapor Density**                                      No data available

**Flash Point** The product is not flammable  
**Autoignition Temperature** No data available  
**Upper flammability limit:** No data available  
**Lower flammability limit:** No data available  
**Boiling Point/Range** No data available  
**Freezing Point/Range** No data available  
**Water Solubility** Soluble in water  
**Solubility** No information available  
**Solubility in other solvents** No data available  
**Specific Gravity** 1.03  
**Kinematic viscosity**

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**  
**Inhalation** No information available.  
**Eye contact** No information available.  
**Skin contact** No information available.  
**Ingestion** No information available.

**Component Information**

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Iodine	14000 mg/kg (Rat)	= 1425 mg/kg ( Rabbit ) > 2000 mg/kg ( Rabbit )	137 ppm = 4,588 mg/L 4h dust (rat)
Sodium iodide	= 4340 mg/kg ( Rat )		

**Irritation** No information available  
**Corrosivity** No information available.  
**Sensitization** May cause an allergic skin reaction.  
**Mutagenic effects** No information available.  
**Carcinogenicity** There are no known carcinogenic chemicals in this product.  
**Reproductive Effects** No information available.  
**Developmental Effects** No information available.  
**STOT - single exposure** No information available  
**STOT - repeated exposure** No information available.

## 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

Not regulated

**Hazchem Code** 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
<b>Preparation Date:</b>	27-Jan-2009
<b>Revision Number:</b>	1.1
<b>Revision Date:</b>	13-Sep-2024
<b>Date of Next Revision:</b>	12-Sep-2029
<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>

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**End of SDS**