SAFETY DATA SHEET KontACT RTU Advanced

Preparation Date: 27-Jan-2009
Revision Number: *1.2*
Revision Date: *18-Dec-2025*
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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 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P362 + P364 - Take off contaminated clothing and wash it before reuse
P501 - Dispose of contents/container in accordance with local regulations

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^3 Ceiling: 0.1 ppm Ceiling: 1 mg/m^3

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
Odor Threshold No information available
pH 3.8 - 4.1
Melting Point/Range No data available

Freezing Point/Range	No data available
Boiling Point/Range	No data available
Initial boiling point/range	No data available
Flash Point	The product is not flammable
Flammability (solid, gas)	No information available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative density	No data available
Solubility	No information available
Solubility in other solvents	No data available
Partition Coefficient (n-octanol/water)	No information available
Autoignition Temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Particle characteristics	No data available
Water Solubility	Soluble in water
Specific Gravity	1.03

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)		

Skin corrosion/irritation Based on available data, the classification criteria are not met
Serious eye damage/eye irritation Based on available data, the classification criteria are not met
Respiratory or skin sensitization May cause an allergic skin reaction
Germ cell mutagenicity Based on available data, the classification criteria are not met
Carcinogenicity There are no known carcinogenic chemicals in this product.
Reproductive toxicity Based on available data, the classification criteria are not met
Developmental Effects No information available.
STOT - single exposure No information available
STOT - repeated exposure No information available.
Aspiration hazard Based on available data, the classification criteria are not met.

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

Other adverse effects 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

EPA NZ Registration Number HSR100759

EPA Group Standard Veterinary Medicines (Non-dispersive Open System Application) Group Standard 2017

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

EPA Reference Guidance to the changes introduced by the Health and Safety at Work (Hazardous Substances) Regulations 2017

16. OTHER INFORMATION

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References	- Hazardous Substances (Hazardous Classification) Notice 2020 - Hazardous substances (Labelling) Notice 2017 - Hazardous Substances (Safety Data Sheets) Notice 2017 - European Agreement concerning the International Carriage of Dangerous Goods by Road - New Zealand Workplace Exposure Standards (WES) - International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans - Chemical Classification and Information Database (CCID)

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End of SDS