

SAFETY DATA SHEET

Kontakt Concentrate

Preparation Date: 27-Aug-2015

Revision Number: 2.0

Revision Date: 10-Jan-2017

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

Product Name Kontakt Concentrate
Item#: AUS00001
Recommended use Teat dip concentrate
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

Acute aquatic toxicity - Category 3

2.2. Label Elements

Hazard Statements H402 - Harmful to aquatic life

Precautionary statements P102 - Keep out of reach of children
P273 - Avoid release to the environment
P501 - Dispose of contents/container in accordance with local regulations

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 dioctyl sulfosuccinate	577-11-7	0 - 1%
Sodium Hydroxide	1310-73-2	0 - 1%
Water	7732-18-5	> 60%
Glycerol	56-81-5	1 - 10%
Polyethylene-polypropylene glycol	9003-11-6	1 - 10%
Non-hazardous ingredients	NOT SPECIFIED	1 - 10%
Xanthan gum	11138-66-2	0 - 1%

4. FIRST AID MEASURES

Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, get medical advice/attention.
Skin contact	Wash off immediately with soap and plenty of water. Consult a physician if necessary.
Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician.
Ingestion	Call a physician or Poison Control Centre immediately.
Effects of overexposure	No information available
Indication of any immediate medical attention and special treatment needed	No information available
Aggravated Medical Conditions	Central nervous system

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	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Hazchem Code	No Hazchem Code allocated

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with eyes. Use personal protective equipment.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Soak up with inert absorbent material. Sweep up and shovel into suitable containers 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. Do not freeze. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using. Keep containers tightly closed in a cool, well-ventilated place.
Incompatible products	No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
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Occupational exposure controls**Exposure limits** No exposure standard allocated

Chemical Name	ES-TWA	ES-STEL	ES-Peak
Iodine			0.1 ppm 1 mg/m ³
Sodium Hydroxide			2 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 Brown
Physical state Liquid
Odor No information available
Odor Threshold No information available

pH 4 - 5
Specific Gravity 1.06
Water Solubility soluble

Vapor Pressure No data available
Vapor Density No data available

Flash Point No data available
Autoignition Temperature No data available
Boiling Point/Range No data available
Melting Point/Range No data available
Freezing Point/Range No data available
Decomposition temperature No information available
Flammability (solid, gas) No information available
Explosion Limits No information available
Evaporation Rate No data available
Density 8.8 lb/gal
Relative Density No data available
Solubility No information available
Partition Coefficient (n-octanol/water) No data available
Viscosity No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available
Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal use
Conditions to Avoid	No information available.
Incompatible Materials	strong oxidizing agents, strong acids, strong bases
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 dioctyl sulfosuccinate 577-11-7	= 1900 mg/kg (Rat)	= 10000 mg/kg (Rabbit)	
Sodium Hydroxide 1310-73-2		= 1350 mg/kg (Rabbit)	
Glycerol 56-81-5	= 12600 mg/kg (Rat)	21900 mg/kg (Rat)	> 570 mg/m ³ (Rat) 1 h
Polyethylene-polypropylene glycol 9003-11-6	= 5700 mg/kg (Rat)		= 320 mg/m ³ (Rat) 4 h
Xanthan gum 11138-66-2			

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

Ecotoxicity effects Harmful to aquatic life.

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 dioctyl sulfosuccinate		20 - 40: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 24: 96 h Oncorhynchus mykiss mg/L LC50 static 37: 96 h Lepomis macrochirus mg/L LC50 static		36: 48 h Daphnia magna mg/L EC50
Sodium Hydroxide		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		
Glycerol		51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static		500: 24 h Daphnia magna mg/L EC50
Xanthan gum				

Persistence and degradability No information available

Bioaccumulation/Accumulation No information available.

Mobility No information available.

Other adverse effects No information available

Biodegradation Some ingredients of this material have some potential to biodegrade, but most ingredients have a limited potential to biodegrade or have not been tested.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations.

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

Personal precautions Avoid contact with eyes. Use personal protective equipment.

14. TRANSPORT INFORMATION

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 Schedule 6

APVMA Approval Number 65723

16. OTHER INFORMATION

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Belgium

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Reason for revision Classification according to GHS.

Disclaimer

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End of SDS