SAFETY DATA SHEET

Spray and Dip RTU

Preparation Date: 27-Jan-2009
Revision Number: *1.1*
Revision Date: *13-Sep-2024*
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name	Spray and Dip RTU
Item#:	NZ20791
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

2.2. Label Elements

Hazard Pictogram(s)

Signal word WARNING

Hazard Statements H317 - May cause an allergic skin reaction

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
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
P321 - Specific treatment (see product label)
P362 + P364 - Take off contaminated clothing and wash it before reuse

P501 - Dispose of contents/container in accordance with local regulations

Contains Iodine

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Iodine	7553-56-2	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
If eye irritation persists, get medical advice/attention

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
If breathing is difficult, give oxygen
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 (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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 containers tightly closed in a dry, cool 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

Hand Protection Protective gloves

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 Clear Brown
Physical state Liquid
Odor Iodine
pH 4.6 - 5.2

Vapor Pressure	No data available
Vapor Density	No data available
Flash Point	No data available
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
Solubility	No information available
Solubility in other solvents	No data available
Specific Gravity	1.010 g/ml
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)

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

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

Persistence and degradability No information available

Bioaccumulation/Accumulation No information available.

Mobility 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. 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 N/A

ERMA Group Standard N/A

HSNO Conditions Hazardous Substances Location trigger quantiy: N/A
Approved Handler trigger quantiy: N/A
Secondary containment trigger quanity: N/A
Signage trigger quanity: N/A
Response Plan trigger quantity: N/A

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

16. OTHER INFORMATION

Prepared By
DeLaval NV
Industriepark-Drongen 10
9031 Gent
Belgium

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Reason for revision Update Section: 1 (supplier information)

References
- Hazardous Substances (Hazardous Classification) Notice 2020
- Hazardous substances (Labelling) Notice 2017
- Hazardous Substances (Safety Data Sheets) Notice 2017
- GHS8
- 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