

DeLaval Teat Dip TD 1-5

Material Safety Data Sheet

Preparation Date: 18-Jul-2014

Revision Date: 07-Jun-2018

Revision Number: 3

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

Product Name DeLaval Teat Dip TD 1-5
Item#: 6210
Recommended use Teat Dip

Supplier DeLaval Inc.
10900 Rue Secant Street
Ville d'Anjou, Quebec H1J 1S5
Tel: (705) 741-3100

Emergency Telephone Number (613) 996-6666 (Canutec)

2. HAZARDS IDENTIFICATION

Emergency Overview
May be harmful if swallowed
Mild eye irritation

Potential Health Effects

Principal Routes of Exposure Eye contact
Skin contact
Inhalation
Ingestion

Major effects of exposure

Eyes	May cause slight irritation.
Skin	No information available.
Ingestion	No known significant effects or critical hazards.
Inhalation	Not Likely.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight %
Isopropyl alcohol	67-63-0	0.1 - 1
Iodine	7553-56-2	1 - 5
Glycerine	30918-77-5	5

4. FIRST AID MEASURES

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if symptoms occur.
Ingestion	Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary. Call a POISON CENTER or doctor if you feel unwell.
Inhalation	Get medical attention if symptoms occur.
Protection of First-aiders	Remove and wash contaminated clothing before re-use.

5. FIRE-FIGHTING MEASURES

Fire Hazard	The product is not flammable.
Suitable Extinguishing Media	The product is not flammable
Hazardous Combustion Products	No information available
Protective Equipment and Precautions for Firefighters	Standard procedure for fires.

NFPA Health hazards 0 Flammability 0 Instability 0

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions	Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.
Methods for Containment	Use absorbant material to collect any spills.
Methods for cleaning up	Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.
Storage	Keep in properly labelled containers. Keep containers tightly closed in a cool, well-ventilated place. Do not freeze. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using. Keep away from food, drink, and animal feedstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	ACGIH TLV	OSHA PEL	Alberta	British Columbia	Ontario TWAEV	Quebec
Isopropyl alcohol	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³	TWA: 200 ppm TWA: 492 mg/m ³ STEL: 400 ppm STEL: 984 mg/m ³	TWA: 200 ppm STEL: 400 ppm	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 985 mg/m ³ STEL: 500 ppm STEL: 1230 mg/m ³
Iodine	TWA: 0.01 ppm STEL: 0.1 ppm	Ceiling: 0.1 ppm Ceiling: 1 mg/m ³	Ceiling: 0.1 ppm Ceiling: 1 mg/m ³	Ceiling: 0.1 ppm	TWA: 0.01 ppm STEL: 0.1 ppm	Ceiling: 0.1 ppm Ceiling: 1.0 mg/m ³

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark brown
Physical state	Liquid
Odor	Iodine
Specific Gravity	1.035
pH	5.5
Water Solubility	Soluble in water

10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropyl alcohol	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h
Iodine	14000 mg/Kg		137 ppm 4.588 mg/L

Chronic Toxicity

Carcinogenicity Contains no ingredient listed as a carcinogen

Chemical name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol		Group 3		

IARC (International Agency for Research on Cancer)
Group 3 - Not classifiable

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Isopropyl alcohol	1000: 72 h Desmodesmus subspicatus mg/L EC50 1000: 96 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 1400000: 96 h Lepomis macrochirus µg/L LC50 11130: 96 h Pimephales promelas mg/L LC50 static	EC50 = 35390 mg/L 5 min	13299: 48 h Daphnia magna mg/L EC50
Iodine		LC50 (96 h) 0.53 mg/L		LC50 (48 h) 0.16 mg/L

Isopropyl alcohol

Partition coefficient 0.05

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of contents/container in accordance with local regulation.

Contaminated Packaging Dispose of in accordance with local regulations. Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

Chemical name	DSL	NDSL	TSCA	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Isopropyl alcohol	X		X	200-661-7		X	X	KE-29363 X	X	X
Iodine	X		X	231-442-4			X	KE-21023 X	X	X
Glycerine	X						X			

WHMIS Hazard Class

Non-controlled

Chemical name	NPRI
Isopropyl alcohol	X

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Preparation Date: 18-Jul-2014

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Revision Note:

No information available

Disclaimer

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