



Issuing Date 5/25/2010

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name DPD 3 Total Chlorine Reagent
Product Code(s) P-6743
Synonyms none
Recommended Use Laboratory chemicals. Industrial (not for food or food contact use).
Company LaMotte Company, Inc.
802 Washington Avenue
P.O. Box 329
Chestertown, MD 21620
USA
Emergency Telephone Number 24 Hour Emergency Number (CHEM-TEL):
USA, Canada, Puerto Rico 1-800-255-3924
Outside North American Continent (Call collect) 813-248-0585

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

May cause skin, eye, and respiratory tract irritation

Appearance Clear, colorless solution

Physical State Liquid

Odor Odorless

OSHA Regulatory Status This product is an article which contains a chemical substance. Safety information is given for exposure to the article as sold, but considers exposure to the chemical if user has direct eye and skin contact with the chemical.

Potential Health Effects

Principle Routes of Exposure Skin contact, Ingestion

Acute Toxicity

Eyes May cause irritation.
Skin May cause irritation.
Inhalation May cause irritation of respiratory tract.
Ingestion Gastrointestinal discomfort.

Chronic Effects

Main Symptoms See Section 11 for additional Toxicological Information.

Aggravated Medical Conditions No information available.

Environmental Hazard No information available..

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Potassium iodide	7681-11-0	<30
Buffers	0000	<1

Water	7732-18-5	to 100
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4. FIRST AID MEASURES

General Advice	Do not get in eyes, on skin, or on clothing.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation develops and persists.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen.
Ingestion	Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.
Notes to Physician	See MSDS (material safety data sheet) for additional information. Treat symptomatically.
Protection of First-aiders	Use personal protective equipment. See Section 8 for more detail.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Water spray, dry chemical, carbon dioxide (CO₂), or foam.

Explosion Data

NFPA Health Hazard 1 Flammability 0 Stability 0 Physical and Chemical Hazards -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Refer to Section 8.
Methods for Containment	Soak up with inert absorbent material, containerize, and hold for disposal.
Methods for Cleaning Up	After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes and clothing. Do not ingest. Do not eat, drink or smoke when using this product.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep away from heat. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium iodide 7681-11-0	None Established	None Established	None Established
Buffers 0000	None Established	None Established	None Established
Water 7732-18-5	None Established	None Established	None Established

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.
Skin and Body Protection Gloves & Lab Coat.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear, colorless solution **Odor** Odorless
Physical State Liquid **pH** 10
Boiling Point/Range >100 °C

Vapor Pressure <17 mmHg @ 20°C **Vapor Density** <1(Air = 1)

10. STABILITY AND REACTIVITY

Stability Stable.
Incompatible Products Not applicable.
Conditions to Avoid None known based on information supplied.
Hazardous Decomposition Products Iodine.
Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium iodide	None Established	None Established	None Established
Buffers	None Established	None Established	None Established
Water	90 mL/kg (Rat)	None Established	None Established

Chronic Toxicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Potassium iodide	None Established	None Established	None Established	None Established
Buffers	None Established	None Established	None Established	None Established
Water	None Established	None Established	None Established	None Established

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Potassium iodide	None Established	None Established	None Established
Buffers	None Established	None Established	None Established
Water	None Established	None Established	None Established

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Potassium iodide	None Established	None Established	None Established	None Established
Buffers	None Established	None Established	None Established	None Established
Water	None Established	None Established	None Established	None Established

Chemical Name	Log Pow
Potassium iodide	None Established
Buffers	None Established
Water	None Established

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of in accordance with local regulations. Can be disposed as waste water, when in compliance with local regulations.

Chemical Name
Potassium iodide - 7681-11-0
Buffers - 0000
Water - 7732-18-5

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Potassium iodide - 7681-11-0	None Established	None Established	None Established	None Established
Buffers - 0000	None Established	None Established	None Established	None Established
Water - 7732-18-5	None Established	None Established	None Established	None Established

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Component	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Potassium iodide 7681-11-0 (<30)	Present	X	X	1-439	X	KE-29149	X	X
Buffers 0000 (<1)	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Water 7732-18-5 (to 100)	Present	X	X	ENCS	X	KE-35400	X	X

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Potassium iodide	7681-11-0	<30	None Established
Buffers	0000	<1	None Established
Water	7732-18-5	to 100	None Established

SARA 311/312 Hazard Categories Acute Health Hazard

Yes

Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium iodide 7681-11-0 (<30)	None Established	None Established	None Established	None Established
Buffers 0000 (<1)	None Established	None Established	None Established	None Established
Water 7732-18-5 (to 100)	None Established	None Established	None Established	None Established

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Potassium iodide	7681-11-0	<30	None Established	None Established	None Established	None Established
Buffers	0000	<1	None Established	None Established	None Established	None Established
Water	7732-18-5	to 100	None Established	None Established	None Established	None Established

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Potassium iodide	None Established	None Established
Buffers	None Established	None Established
Water	None Established	None Established

U.S. State Regulations

Chemical Name	CAS-No	California Prop. 65
Potassium iodide	7681-11-0	None Established
Buffers	0000	None Established
Water	7732-18-5	None Established

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Potassium iodide	None Established	None Established	None Established	None Established	None Established
Buffers	None Established	None Established	None Established	None Established	None Established
Water	None Established	None Established	None Established	None Established	None Established

International Regulations**Mexico - Grade**

No information available.

Chemical Name	Carcinogen Status	Exposure Limits
Potassium iodide	None Established	None Established
Buffers	None Established	None Established
Water	None Established	None Established



Canada

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.

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td data-bbox="509 264 716 298">Health Hazard</td> <td data-bbox="717 264 792 298">1</td> </tr> <tr> <td data-bbox="509 300 716 336">Fire Hazard</td> <td data-bbox="717 300 792 336">0</td> </tr> <tr> <td data-bbox="509 338 716 371">Reactivity</td> <td data-bbox="717 338 792 371">0</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0		<p>Not regulated</p>
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

Prepared By Regulatory Affairs Department

Issuing Date 5/25/2010

Revision Date

Revision Note Initial Release.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS