

Issuing Date Sep-26-2014

Revision Date Sep-26-2014

Revision Number 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier**Product name** Whirl-Pak Water Sampling Bag with Tablet Inside**Other means of identification****Product Code(s)** 2-2197**Recommended use of the chemical and restrictions on use****Recommended Use** Test kit reagent. Laboratory chemicals. Industrial (not for food or food contact use).**Details of the supplier of the safety data sheet****Manufacturer Address**LaMotte Company, Inc.
802 Washington Avenue
P.O. Box 329
Chestertown, MD 21620 USA
T 410-778-3100
F 410-778-9748**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

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance White **Physical state** Tablet **Odor** None

- May be harmful if swallowed

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No	Weight %
Thiosulfate, sodium, pentahydrate	10102-17-7	~10
Sodium chloride USP	7647-14-5	~90

4. FIRST AID MEASURES

FIRST AID MEASURES

General advice	Do not get in eyes, on skin, or on clothing. No hazards which require special first aid measures.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists or develops, contact a physician.
Skin contact	Wash off with warm water and soap. If skin irritation persists, call a physician.
Inhalation	Not expected to require first aid measures.
Ingestion	Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist or develop contact physician.
<u>Protection of First-aiders</u>	Use personal protective equipment. See Section 8 for more detail. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, CO₂, alcohol-resistant foam or water spray.

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, protective equipment and emergency procedures

Personal precautions	Refer to Section 8. Avoid contact with skin, eyes, and clothing.
Environmental precautions	See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for cleaning up	If local regulations permit, rinse to drain with excess water. After cleaning, flush away traces with water.
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7. HANDLING AND STORAGE

Precautions for safe handling

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.
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Conditions for safe storage, including any incompatibilities

Storage	Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep away from direct sunlight. Keep out of the reach of children.
Incompatible Products	Strong acids. Metal salts.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
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Thiosulfate, sodium, pentahydrate 10102-17-7	-	-	None Established
Sodium chloride USP 7647-14-5	-	-	None Established

Appropriate engineering controls

Engineering Measures Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses with side-shields.

Skin and body protection Wear protective gloves/clothing.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state Tablet
Appearance White **Odor** None

Property **Values** **Remarks • Method**

pH
Melting point/freezing point No information available
Boiling Point/Range No information available
Flash point No information available
Evaporation rate
Flammability (solid, gas) No information available
Flammability Limit in Air
 Upper flammability limit: No information available
 Lower flammability limit: No information available
Vapor pressure No information available
Vapor density No information available
Specific gravity No information available
Water solubility No information available
Solubility in other solvents No information available
Partition coefficient No information available
Autoignition temperature No information available
Decomposition temperature No information available
Kinematic viscosity No information available
Dynamic viscosity No information available
Explosive properties No information available
Oxidizing properties No information available

Other information

Softening point No information available
Molecular weight No information available
VOC Content No information available
Density No information available
Bulk density No information available

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of use and storage.
Hazardous Reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Excessive heat. Direct sunlight.
Incompatible materials	Strong acids. Metal salts.
Hazardous decomposition products	Burning may produce: Sulfur oxides (SOx).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Thiosulfate, sodium, pentahydrate 10102-17-7	> 5000 mg/kg (Rat)	None Established	None Established
Sodium chloride USP 7647-14-5	= 3 g/kg (Rat)	> 10 g/kg (Rabbit)	> 42 g/m ³ (Rat) 1 h

Information on toxicological effects

Chemical name	ACGIH	IARC	NTP	OSHA
Thiosulfate, sodium, pentahydrate 10102-17-7	-	None Established	None Established	-
Sodium chloride USP 7647-14-5	-	None Established	None Established	-

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	3125 mg/kg
ATEmix (dermal)	11111 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Unknown Aquatic Toxicity 0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Thiosulfate, sodium, pentahydrate 10102-17-7	None Established	24000: 96 h Gambusia affinis mg/L LC50 static	None Established
Sodium chloride USP 7647-14-5	None Established	4747 - 7824: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 5560 - 6080: 96 h Lepomis macrochirus mg/L LC50 flow-through 6020 - 7070: 96 h Pimephales promelas mg/L LC50 static 6420 - 6700: 96 h Pimephales promelas mg/L LC50 static 12946: 96 h Lepomis macrochirus mg/L LC50 static 7050: 96 h Pimephales promelas mg/L LC50 semi-static	340.7 - 469.2: 48 h Daphnia magna mg/L EC50 Static 1000: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Chemical name	Log Pow
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Thiosulfate, sodium, pentahydrate 10102-17-7	None Established
Sodium chloride USP 7647-14-5	None Established

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261). Can be disposed as waste water, when in compliance with local regulations.

Contaminated packaging

Do not re-use empty containers.

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Thiosulfate, sodium, pentahydrate 10102-17-7	None Established	-	None Established	None Established
Sodium chloride USP 7647-14-5	None Established	-	None Established	None Established

Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Thiosulfate, sodium, pentahydrate 10102-17-7	None Established	None Established	None Established	None Established
Sodium chloride USP 7647-14-5	None Established	None Established	None Established	None Established

Chemical name	California Hazardous Waste Status
Thiosulfate, sodium, pentahydrate 10102-17-7	-
Sodium chloride USP 7647-14-5	-

14. TRANSPORT INFORMATION**DOT**

Not regulated

IATA

Not regulated

IMDG/IMO

Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

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	SARA 313 - Threshold Values %
Thiosulfate, sodium, pentahydrate 10102-17-7	None Established
Sodium chloride USP 7647-14-5	None Established

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Thiosulfate, sodium, pentahydrate 10102-17-7	None Established	None Established	None Established	None Established
Sodium chloride USP 7647-14-5	None Established	None Established	None Established	None Established

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	RQ
Thiosulfate, sodium, pentahydrate 10102-17-7	-	None Established	-
Sodium chloride USP 7647-14-5	-	None Established	-

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

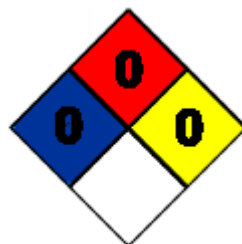
Chemical name	California Prop. 65
Thiosulfate, sodium, pentahydrate 10102-17-7	None Established
Sodium chloride USP 7647-14-5	None Established

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
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Thiosulfate, sodium, pentahydrate 10102-17-7	None Established	None Established	None Established
Sodium chloride USP 7647-14-5	None Established	None Established	None Established
16. OTHER INFORMATION			

NFPA Health hazard 0 Flammability 0 Instability 0 Physical and Chemical Hazards N/A
HMIS Health hazard 0 Flammability 0 Physical hazards 0 Personal precautions N/A



Health Hazard	0
Fire Hazard	0
Reactivity	0

Prepared by
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 Update to Format

Regulatory Affairs Department
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Disclaimer

The information provided on this SDS 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