



Issuing Date 8/4/2010

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Lead C Reagent
Product Code(s) 3945
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

Emergency Overview
May irritate eyes and skin
Appearance Clear, colorless solution
Physical State Liquid
Odor None

OSHA Regulatory Status Safety information is given for exposure to the reagent as sold and considers exposure to the chemical if user has direct eye and skin contact.

Potential Health Effects
Principle Routes of Exposure Eye contact, Ingestion

Acute Toxicity
Eyes May cause irritation.
Skin May cause irritation.
Inhalation Not an expected route of exposure.
Ingestion May cause irritation.

Chronic Effects No known effect based on information supplied.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Sodium hydrogen tartrate, monohydrate	6131-98-2	1.9
Tartaric acid	87-69-4	1.5
Water	7732-18-5	to 100%

4. FIRST AID MEASURES

General Advice Do not get on skin or in eyes.

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. . If irritation persists or develops, contact a physician.
Skin Contact	Wash skin with soap and water. If irritation develops or persists, consult physician.
Inhalation	Not expected.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth. Drink 1 or 2 glasses of water. If symptoms persist or develop contact physician.
Protection of First-aiders	Use personal protective equipment. 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

Flammable Properties	Not a fire hazard.
Suitable Extinguishing Media	Water spray, dry chemical, carbon dioxide (CO ₂), or foam.

Explosion Data

NFPA	Health Hazard 0	Flammability 0	Stability 0	Physical and Chemical Hazards -
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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Refer to Section 8.
Methods for Containment	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.
Methods for Cleaning Up	Soak up with inert absorbent material. After cleaning, flush away traces with water. If local regulations permit, rinse to drain with excess 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 heat and sources of ignition. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydrogen tartrate, monohydrate 6131-98-2	None Known	None Known	None Known
Tartaric acid 87-69-4	None Known	None Known	None Known
Water 7732-18-5	None Known	None Known	None Known

Personal Protective Equipment

Eye/Face Protection	Safety glasses with side-shields.
Skin and Body Protection	No special protective equipment required.
Hygiene Measures	Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colorless solution	Odor	None
Physical State	Liquid	pH	3
Boiling Point/Range	ca. 101 °C		

Vapor Pressure <17 mmHg @ 20°C

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Incompatible Products	Oxidizing agents.
Hazardous Decomposition Products	Carbon oxides.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydrogen tartrate, monohydrate	None Known	None Known	None Known
Tartaric acid	None Known	None Known	None Known
Water	90 mL/kg (Rat)	None Known	None Known

Chronic Toxicity

Chronic Toxicity No known effect based on information supplied.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hydrogen tartrate, monohydrate	None Known	None Known	None Known	None Known
Tartaric acid	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Sodium hydrogen tartrate, monohydrate	None Known	None Known	None Known
Tartaric acid	None Known	None Known	None Known
Water	None Known	None Known	None Known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Sodium hydrogen tartrate, monohydrate	None Known	None Known	None Known	None Known
Tartaric acid	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known

Persistence and Degradability No information available.

Bioaccumulation/Accumulation No information available.

Chemical Name	Log Pow
Sodium hydrogen tartrate, monohydrate	None Known
Tartaric acid	None Known
Water	None Known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Chemical Name
Sodium hydrogen tartrate, monohydrate - 6131-98-2
Tartaric acid - 87-69-4
Water - 7732-18-5

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Sodium hydrogen tartrate, monohydrate - 6131-98-2	None Known	None Known	None Known	None Known
Tartaric acid - 87-69-4	None Known	None Known	None Known	None Known
Water - 7732-18-5	None Known	None Known	None Known	None Known

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
Sodium hydrogen tartrate, monohydrate 6131-98-2 (1.9)	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	X
Tartaric acid 87-69-4 (1.5)	Present	X	X	2-1456	X	KE-10801	X	X
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 %
Sodium hydrogen tartrate, monohydrate	6131-98-2	1.9	None Known
Tartaric acid	87-69-4	1.5	None Known
Water	7732-18-5	to 100%	None Known

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).

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydrogen tartrate, monohydrate 6131-98-2 (1.9)	None Known	None Known	None Known	None Known
Tartaric acid 87-69-4 (1.5)	None Known	None Known	None Known	None Known
Water 7732-18-5 (to 100%)	None Known	None Known	None Known	None Known

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Sodium hydrogen tartrate, monohydrate	6131-98-2	1.9	None Known	None Known	None Known	None Known
Tartaric acid	87-69-4	1.5	None Known	None Known	None Known	None Known
Water	7732-18-5	to 100%	None Known	None Known	None Known	None Known

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Sodium hydrogen tartrate, monohydrate	None Known	None Known
Tartaric acid	None Known	None Known
Water	None Known	None Known

U.S. State Regulations

Chemical Name	CAS-No	California Prop. 65
Sodium hydrogen tartrate, monohydrate	6131-98-2	None Known
Tartaric acid	87-69-4	None Known
Water	7732-18-5	None Known

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium hydrogen tartrate, monohydrate	None Known	None Known	None Known	None Known	None Known
Tartaric acid	None Known	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known	None Known

International Regulations**Mexico - Grade**

Mexico - Grade

Chemical Name	Carcinogen Status	Exposure Limits
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Sodium hydrogen tartrate, monohydrate	None Known	None Known
Tartaric acid	None Known	None Known
Water	None Known	None Known



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

Not subject to WHMIS classification

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Health Hazard</td> <td>0</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	Health Hazard	0	Fire Hazard	0	Reactivity	0		
Health Hazard	0								
Fire Hazard	0								
Reactivity	0								

Prepared By Regulatory Affairs Department

Issuing Date 8/4/2010

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