



Issuing Date 10/17/2011

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SALICYLATE AMMONIA #1

Product Code(s) 3978

Recommended Use Test kit reagent. Industrial (not for food or food contact use). Laboratory chemicals.

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**WARNING!****Emergency Overview**

Harmful if swallowed

Irritating to eyes

May be harmful in contact with skin

Appearance Clear, colorless**Physical State** Liquid**Odor** None**Potential Health Effects****Acute Toxicity****Eyes**

Irritating to eyes. May cause redness, itching, and pain.

Skin

May cause irritation. May be harmful in contact with skin.

Inhalation

May cause irritation.

Ingestion

Harmful if swallowed.

Chronic Effects**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
Preservative	-	<0.1
Sodium hydroxide	1310-73-2	1-10
Organic acid salt	-	1-10
Organic acid salt	-	10-20
Sodium citrate, dihydrate	6132-04-3	20-30
Water	7732-18-5	to 100%

Ingredients not listed by name are proprietary to LaMotte Company, registered under the State of New Jersey Trade Secret Protection Law, assigned the NJ Trade Secret Registry # 80100291-5038p, and may be disclosed only in a medical emergency.

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. Consult a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Consult a physician.
Protection of First-aiders	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

Flammable Properties	Not a fire hazard.			
Flash Point	Not applicable			
Suitable Extinguishing Media	Dry chemical, CO ₂ , alcohol-resistant foam or water spray.			
Explosion Data				
NFPA	Health Hazard 0	Flammability 0	Stability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 1	Flammability 0	Stability 0	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment. Refer to Section 8.
Methods for Containment	Soak up with inert absorbent material, containerize, and hold for disposal. Dispose according to federal, state, and local regulations.
Methods for Cleaning Up	Cover spill with acidic material (dilute hydrochloric acid) to neutralize; containerize, and hold for later disposal. If local regulations permit, dilute with water and rinse to drain with excess water. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. 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 out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Preservative	None Known	None Known	None Known
Sodium hydroxide 1310-73-2	None Known	TWA: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
Organic acid salt	None Known	None Known	None Known

Organic acid salt	None Known	None Known	None Known
Sodium citrate, dihydrate 6132-04-3	None Known	None Known	None Known
Water 7732-18-5	None Known	None Known	None Known

NIOSH IDLH: Immediately Dangerous to Life or Health

Personal Protective Equipment

Eye/Face Protection

Safety glasses with side-shields.

Skin and Body Protection

Wear protective gloves/clothing.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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

Appearance	Clear, colorless	Odor	None
Physical State	Liquid	pH	12.5-13
Flash Point	Not applicable	Boiling Point/Range	> 100°C/212°F

Vapor Pressure	No information available	Vapor Density	No information available
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10. STABILITY AND REACTIVITY

Stability Stable under normal conditions of use and storage.

Incompatible Products Strong oxidizing agents.

Hazardous Decomposition Products Hazardous decomposition products formed under fire conditions - . Carbon oxides (COx).

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Preservative	None Known	None Known	None Known
Sodium hydroxide	None Known	1350 mg/kg (Rabbit)	None Known
Organic acid salt	930 mg/kg (Rat)	None Known	None Known
Organic acid salt	None Known	None Known	None Known
Sodium citrate, dihydrate	None Known	None Known	None Known
Water	90 mL/kg (Rat)	None Known	None Known

Chronic Toxicity

Chemical Name	ACGIH	IARC	NTP	OSHA
Preservative	None Known	None Known	None Known	None Known
Sodium hydroxide	None Known	None Known	None Known	None Known

Organic acid salt	None Known	None Known	None Known	None Known
Organic acid salt	None Known	None Known	None Known	None Known
Sodium citrate, dihydrate	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
Preservative	None Known	None Known	None Known
Sodium hydroxide	None Known	None Known	None Known
Organic acid salt	None Known	None Known	None Known
Organic acid salt	None Known	None Known	None Known
Sodium citrate, dihydrate	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)
Preservative	None Known	None Known	None Known	None Known
Sodium hydroxide	None Known	LC50= 45.4 mg/L Oncorhynchus mykiss 96 h	None Known	None Known
Organic acid salt	None Known	LC50= 1370 mg/L Pimephales promelas 96 h	None Known	None Known
Organic acid salt	None Known	None Known	None Known	None Known
Sodium citrate, dihydrate	EC50 1800 - 3200 mg/L 96 h	LC50= 18000 mg/L Poecilia reticulata 96 h	None Known	None Known
Water	None Known	None Known	None Known	None Known

Persistence and Degradability No information available.

Bioaccumulation/Accumulation No information available.

Mobility No information available.

Chemical Name	Log Pow
Preservative	None Known
Sodium hydroxide	None Known
Organic acid salt	None Known
Organic acid salt	None Known
Sodium citrate, dihydrate	None Known
Water	None Known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Preservative -	None Known	None Known	None Known	None Known
Sodium hydroxide - 1310-73-2	None Known	None Known	None Known	None Known
Organic acid salt -	None Known	None Known	None Known	None Known
Organic acid salt -	None Known	None Known	None Known	None Known
Sodium citrate, dihydrate - 6132-04-3	None Known	None Known	None Known	None Known
Water - 7732-18-5	None Known	None Known	None Known	None Known

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name SODIUM HYDROXIDE SOLUTION
Hazard Class 8
UN-No 1824
Packing Group III

IATA

UN-No 1824
Proper Shipping Name SODIUM HYDROXIDE SOLUTION
Hazard Class 8
Packing Group III

IMDG/IMO

Proper Shipping Name SODIUM HYDROXIDE SOLUTION
Hazard Class 8
UN-No 1824
Packing Group III

15. REGULATORY INFORMATION

International Inventories

Component	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Preservative (<0.1)	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium hydroxide 1310-73-2 (1-10)	Present	X	X	1-410; 2-1972	X	KE-31487	X	X
Organic acid salt (1-10)	Present	X	X	3-1639; 9-1094	X	KE-20384	X	X
Organic acid salt (10-20)	TSCA	DSL	EINECS/ELINCS	9-530	X	KECL	X	X
Sodium citrate, dihydrate 6132-04-3 (20-30)	TSCA	DSL	EINECS/ELINCS	ENCS	X	KECL	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 %
Preservative		<0.1	None Known
Sodium hydroxide	1310-73-2	1-10	None Known
Organic acid salt		1-10	None Known
Organic acid salt		10-20	None Known
Sodium citrate, dihydrate	6132-04-3	20-30	None Known
Water	7732-18-5	to 100%	None Known

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
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
Preservative (<0.1)	None Known	None Known	None Known	None Known
Sodium hydroxide 1310-73-2 (1-10)	None Known	None Known	None Known	None Known
Organic acid salt (1-10)	None Known	None Known	None Known	None Known
Organic acid salt (10-20)	None Known	None Known	None Known	None Known
Sodium citrate, dihydrate 6132-04-3 (20-30)	None Known	None Known	None Known	None Known
Water 7732-18-5 (to 100%)	None Known	None Known	None Known	None Known

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depleters	Class 2 Ozone Depleters
Preservative		<0.1	None Known	None Known	None Known	None Known
Sodium hydroxide	1310-73-2	1-10	None Known	None Known	None Known	None Known
Organic acid salt		1-10	None Known	None Known	None Known	None Known
Organic acid salt		10-20	None Known	None Known	None Known	None Known
Sodium citrate, dihydrate	6132-04-3	20-30	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
Preservative	None Known	None Known
Sodium hydroxide	1000 lb	None Known
Organic acid salt	None Known	None Known
Organic acid salt	None Known	None Known
Sodium citrate, dihydrate	None Known	None Known
Water	None Known	None Known

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

Chemical Name	CAS-No	California Prop. 65
Preservative		None Known
Sodium hydroxide	1310-73-2	None Known
Organic acid salt		None Known
Organic acid salt		None Known
Sodium citrate, dihydrate	6132-04-3	None Known
Water	7732-18-5	None Known

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Preservative	None Known	None Known	None Known	None Known	None Known
Sodium hydroxide	X	X	X	None Known	X
Organic acid salt	None Known	None Known	None Known	None Known	None Known
Organic acid salt	None Known	None Known	None Known	None Known	None Known
Sodium citrate, dihydrate	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**

Chemical Name	Carcinogen Status	Exposure Limits
Preservative	None Known	None Known
Sodium hydroxide	None Known	None Known
Organic acid salt	None Known	None Known

Organic acid salt	None Known	None Known
Sodium citrate, dihydrate	None Known	None Known
Water	None Known	None Known

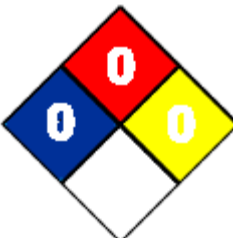


Canada

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.

Component	WHMIS Hazard Class
Preservative (<0.1)	Not determined
Sodium hydroxide 1310-73-2 (1-10)	1 % E
Organic acid salt (1-10)	D2A
Organic acid salt (10-20)	Uncontrolled product according to WHMIS classification criteria
Sodium citrate, dihydrate 6132-04-3 (20-30)	Uncontrolled product according to WHMIS classification criteria
Water 7732-18-5 (to 100%)	Uncontrolled product according to WHMIS classification criteria



16. OTHER INFORMATION

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

Prepared By Regulatory Affairs Department

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Revision Date 17-Oct-2011

Revision Note
Update to Format

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

