



Issuing Date 4/3/2013

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name AMMONIA #3

Product Code(s) 3982

Synonyms none

Recommended Use Test kit reagent. 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 cause skin and eye irritation

May be harmful if swallowed

Appearance Clear, colorless**Physical State** Liquid**Odor** Characteristic, Chlorine

OSHA Regulatory Status This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects

Principle Routes of Exposure Skin contact.

Acute Toxicity**Eyes**

May cause irritation.

Skin

Substance may cause slight skin irritation.

Inhalation

Not an expected route of exposure.

Ingestion

May be harmful if swallowed. May cause gastrointestinal discomfort if consumed in large amounts.

Chronic Effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Trade Secret	-	<1
Water	7732-18-5	>99

Excipients not listed by name are non-hazardous and proprietary to the manufacturer. Ingredients not specifically listed by name are proprietary to the LaMotte Company, registered under the State of New Jersey Trade Secret protection law, assigned the NJTSRN#80100291-5040p, 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 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 skin with soap and water. If irritation develops or persists, consult physician.
Inhalation	Not expected to require first aid measures. Move to fresh air.
Ingestion	Drink 1 or 2 glasses of water. If symptoms persist or develop contact physician.
Notes to Physician	Treat symptomatically.
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.
Flash Point	Not applicable
Suitable Extinguishing Media	Water spray, dry chemical, carbon dioxide (CO ₂), or foam.

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	Refer to Section 8.
Methods for Cleaning Up	If local regulations permit, 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. Prevent contact with skin, eyes, and clothing. Do not ingest. Do not eat, drink, or smoke when using this product.
Storage	To maintain product quality, do not store in heat or direct sunlight. Keep tightly closed in a dry and cool place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Trade Secret	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	Protective gloves.

Respiratory Protection

None required under normal usage. Maintain adequate ventilation.

Hygiene Measures

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

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance
Physical State
Flash Point**Clear, colorless
Liquid
Not applicable**Odor**

Characteristic, Chlorine

Boiling Point/Range

ca. 100°C/212°F

Vapor Pressure

Essentially the same as water

Vapor Density

Essentially the same as water

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions of use and storage. Heat and sunlight can contribute to instability.

Conditions to Avoid

Excessive heat. Direct sunlight.

Hazardous Decomposition Products None under normal use.**Hazardous Polymerization**

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Trade Secret	8200 mg/kg (Rat)	10000 mg/kg (Rabbit)	None Known
Water	90 mL/kg (Rat)	None Known	None Known

Chronic Toxicity**Carcinogenicity**

Contains no ingredient listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Trade Secret	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Trade Secret	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)
Trade Secret	EC50 = 0.095 mg/L 24 h	LC50 0.22 - 0.62 mg/L Pimephales promelas 96 h LC50= 5.9 mg/L Pimephales promelas 96 h	None Known	EC50 = 2.1 mg/L 96 h
Water	None Known	None Known	None Known	None Known

Persistence and Degradability No information available.

Bioaccumulation/Accumulation No information available.

Chemical Name	Log Pow
Trade Secret	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
Trade Secret -	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
Trade Secret (<1)	Present	X	X	1-237	X	KE-31506	X	X
Water 7732-18-5 (>99)	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 %
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Trade Secret		<1	None Known
Water	7732-18-5	>99	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 contains the following substances which are regulated 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
Trade Secret (<1)	100 lb	None Known	None Known	X
Water 7732-18-5 (>99)	None Known	None Known	None Known	None Known

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

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Trade Secret		<1	None Known	None Known	None Known	None Known
Water	7732-18-5	>99	None Known	None Known	None Known	None Known

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Trade Secret	100 lb	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
Trade Secret		None Known
Water	7732-18-5	None Known

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Trade Secret	X	X	X	None Known	None Known
Water	None Known	None Known	None Known	None Known	None Known

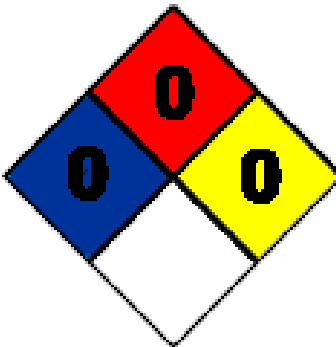

International Regulations**Mexico - Grade**

Chemical Name	Carcinogen Status	Exposure Limits
Trade Secret	None Known	None Known
Water	None Known	None Known

Canada

Component	WHMIS Hazard Class
Trade Secret (<1)	1 % C E F E
Water 7732-18-5 (>99)	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

Issuing Date

Revision Date

Revision Note

Disclaimer

Regulatory Affairs Department

4/3/2013

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Update to Format.

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