

Safety Data Sheet

Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier Product name	Manganese-Magnesium Test Solut	ion #2
Other means of identification	54.45	
Product Code(s) UN-No	5145 1824	
Recommended use of the chemical	and restrictions on use	
Recommended Use	Use as a laboratory reagent. Industri chemicals.	al (not for food or food contact use). Laboratory
Details of the supplier of the safety		
	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- collect) 813-248-0585	TEL):USA, Canada, Puerto Rico 1-800	-255-3924 Outside North American Continent (Call
	2. HAZARDS IDENTIFIC	ATION
Skin corrosion/irritation		Catagory 1. Sub catagory A
Serious eye damage/eye irritation		Category 1 Sub-category A Category 1
	EMERGENCY OVERVI	EW
DANGER POISON		
Hazard statements Causes severe skin burns and eye da	mage.	

Appearance Clear, colorless

Physical state liquid

Odor Odorless

Precautionary Statements - Prevention

Do not taste or swallow. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

Immediately call a POISON CENTER or physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water Wash contaminated clothing before reuse IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing IF SWALLOWED, Rinse mouth, Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Other Hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Sodium hydroxide	1310-73-2	15

	4. FIRST AID MEASURES
First Aid Measures	
General advice	Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Call a physician immediately.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Remove and isolate contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a physician immediately.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Clean mouth with water. Call a physician immediately. Never give anything by mouth to an unconscious person.
Self-protection of the first aider	Use personal protection recommended in Section 8. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Use personal protection recommended in Section 8. Avoid contact with skin, eyes or

	clothing. Avoid breathing vapors or mists.
Environmental precautions	See Section 12 for additional Ecological Information.
Methods and material for contain	ment and cleaning up
Methods for containment	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
Methods for cleaning up	Neutralize spills with acid such as acetic, hydrochloric or sulfuric, absorb with vermiculite or other inert substance, and package in a suitable container for disposal. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for safe handling

 Handling
 Handle in accordance with good industrial hygiene and safety practice. Do not taste or swallow. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

 Conditions for safe storage, including any incompatibilities

StorageKeep containers tightly closed in a dry, cool and well-ventilated place. Separate from acids.
Keep out of the reach of children.

Acids.

Incompatible Products

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
Appropriate engineering contro	<u>ls</u>		
Engineering Measures	Showers Eyewash stations Ventilation systems.		
Individual protection measures,	such as personal protective equi	oment	
Eye/Face Protection	Wear safety glasses with side s	shields (or goggles).	
Skin and body protection	Incidental contact/splash protect prolonged contact:. Chemical re		clothing. Repeated or
Respiratory protection	When workers are facing conce appropriate certified respirators	•	limit they must use
Hygiene Measures	Handle in accordance with goo smoke when using this product the product.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid		
Appearance	Clear, colorless	Odor	Odorless

Property

Remarks • Method

	Taldoo	Itemante	
На	14		
Melting point / freezing point	No information available		
Boiling point / boiling range	No information available		
Flash point	No information available		
•			
Evaporation rate	No information available		
Flammability (solid, gas)	No mormation available		
Flammability Limit in Air	No information quallele		
Upper flammability limit:	No information available		
Lower flammability limit:	No information available No information available		
Vapor pressure			
Vapor density	No information available		
Specific gravity	1.0428 (5% Solution) 1.33 (30%		
	Solution)		
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 REA		

Values

10. STABILITY AND REACTIVITY

Stability	
Hazardous	polymerization

Conditions to avoid Incompatible materials Hazardous decomposition products

Stable under recommended storage conditions. Hazardous polymerization does not occur.

Incompatible Products. Acids.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Information on toxicological effects

Chemical name	ACGIH	IARC	NTP	OSHA
Sodium hydroxide 1310-73-2	Not Established	Not Established	Not Established	Not Established

ATEmix (dermal)

9000

12. ECOLOGICAL INFORMATION

Ecotoxicity

Unknown Aquatic Toxicity 85 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Sodium hydroxide	Not Established	45.4: 96 h Oncorhynchus mykiss	Not Established
1310-73-2		mg/L LC50 static	

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Chemical name	Log Pow
Sodium hydroxide	Not Established
1310-73-2	

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of waste product or used containers according to local regulations.

Contaminated packaging

Do not reuse empty containers.

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Sodium hydroxide	Not Established	-	Not Established	Not Established
1310-73-2				
Chemical name	RCRA - Halogenated	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Chemical name Sodium hydroxide		RCRA - P Series Wastes Not Established	RCRA - F Series Wastes Not Established	RCRA - K Series Wastes Not Established

Chemical name	California Hazardous Waste Status
Sodium hydroxide 1310-73-2	-

14. TRANSPORT INFORMATION

DOT Proper shipping name UN-No Hazard Class Packing group Reportable Quantity (RQ)	SODIUM HYDROXIDE SOLUTION 1824 8 II 1000
IATA Proper shipping name UN-No Hazard Class Packing group	SODIUM HYDROXIDE SOLUTION 1824 8 II
IMDG/IMO Proper shipping name UN-No Hazard Class Packing group	SODIUM HYDROXIDE SOLUTION 1824 8 II

15. REGULATORY INFORMATION

International Inventories	
TSCA	Complies
DSL/NDSL	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/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European 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

US 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 %
Sodium hydroxide	Not Established
1310-73-2	
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

CWA (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
Sodium hydroxide 1310-73-2	Not Established	Not Established	Not Established	Not 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
Sodium hydroxide	1000 lb	Not Established	RQ 1000 lb final RQ
1310-73-2			RQ 454 kg final RQ

US State Regulations

California Proposition 65

California Proposition 65	
Not Established	
-	

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium hydroxide	Х	X	Х
1310-73-2			

CPSC (Consumer Product Safety Commission) - Specially Regulated Substances

Chemical name		CPSC	CPSC (Consumer Product Safety Commission) - Specially Regulated Substances	
So	odium hydroxide 1310-73-2		Banned, 16 CFR 1500.17 (>=10% by weight in liquid drain cleaner: Add POISON to label, 16 CFR 1500.129 (>=10%, free or chemical unneutralized)	
		16. OTHER INFORM	IATION	
NFPA_	Health hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards N/A
HMIS	Health hazard 3	Stability 2		
Health Hazard				
Fire Hazard 0 Reactivity 2				
Prepared by Issuing Date Revision Date Reason for revision Disclaimer	Jul-25-20 Jun-30-2			

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 Material Safety Data Sheet