

MATERIAL SAFETY DATA SHEET

Hardness Test Kit #1 of 2

SECTION I

MANUFACTURER'S NAME LaMotte Chemical Products Co.		EMERGENCY TELEPHONE NO. 301-778-3100
ADDRESS (Number, Street, City, State, and ZIP Code) P.O. Box 329, Chestertown, MD 21620		
CHEMICAL NAME AND SYNONYMS Sodium Hydroxide (Caustic Soda)		TRADE NAME AND SYNONYMS Sodium Hydroxide, 6% (Code 4259)
CHEMICAL FAMILY Alkali	FORMULA NaOH	7724, 8506

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE	N/A		METALLIC COATINGS	N/A	
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Sodium Hydroxide CAS #1310-73-2				6%	

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	unknown	SPECIFIC GRAVITY (H ₂ O=1)	unknown
VAPOR PRESSURE (mm Hg.)	unknown	PERCENT VOLATILE BY VOLUME (%)	unknown
VAPOR DENSITY (AIR=1)	unknown	EVAPORATION RATE (_____ =1)	unknown
SOLUBILITY IN WATER	very		
APPEARANCE AND ODOR	clear, colorless liquid; slightly slimy feeling		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES no fire hazard			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	unknown
EFFECTS OF OVEREXPOSURE	Causes skin irritation or burns. Harmful if swallowed.
EMERGENCY AND FIRST AID PROCEDURES	
Eye contact - immediately flush with water for 15 min., call a physician.	
External - immediately flush skin thoroughly.	
Internal - rinse mouth and drink glassful of water; consult a physician immediately	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	contact with acids
INCOMPATIBILITY (Materials to avoid) acids			
HAZARDOUS DECOMPOSITION PRODUCTS N/A			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	N/A

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Neutralize with dilute acid. Wash down drain with excess water.	
WASTE DISPOSAL METHOD	
Pour into a tank of water and neutralize with dilute acid. Wash down drain with excess water.	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type) none			
VENTILATION	LOCAL EXHAUST	N/A	SPECIAL ---
	MECHANICAL (General)	---	OTHER -----
PROTECTIVE GLOVES plastic gloves		EYE PROTECTION goggles or face shield	
OTHER PROTECTIVE EQUIPMENT lab coat			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Protect against physical damage. Store away from acids. Avoid prolonged or repeated contact with skin or clothes.	
OTHER PRECAUTIONS	

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