

OFI TESTING EQUIPMENT, INC.
MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT AND COMPANY IDENTIFICATION	
Chemical Name:	SODIUM HYDROXIDE SOLUTION 0.1N, (N/10) with PROPYLENE GLYCOL
Trade Name:	SODIUM HYDROXIDE SOLUTION 0.1N, (N/10) ANTIFREEZE GRADE
OFI Part No.	260-02-1
Chemical Family:	SODIUM HYDROXIDE
Formula:	NaOH:H ₂ O:CH ₃ CHOHCH ₂ OH
Manufacturer:	OFI Testing Equipment, Inc. 11302 Steeplecrest Drive Houston, TX 77065 USA Phone: (713) 880-9885
In Case of Emergency Spills, Leaks, Fire, Exposure or Accident:	In the USA, call INFOTRAC at 1-800-535-5053 day or night Outside the USA, call collect, (352) 323-3500
SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS	
CAS #:	CHEMICAL NAME
1310-73-2	Sodium Hydroxide 0.4%
57-55-6	Propylene Glycol 35%
SECTION III - HAZARD IDENTIFICATION	
Emergency Overview:	Harmful If Swallowed Or Inhaled. May Cause Burns To Any Area Of Contact. Reacts With Water, Acids And Other Materials.
Inhalation:	Mists May Irritate Respiratory Tract.
Ingestion:	Swallowing may Cause Burns of the Mouth, Throat and Stomach.
Skin:	May Cause Irritation to Skin
Eye Contact:	May Cause Irritation to Eyes, and with Greater Exposures, Severe Buns with Possibly Blindness
Chronic Exposure:	Persons with Pre-Existing Skin Disorders may be Susceptible to these Solutions.
Aggravated by Exposure:	Persons with Pre-existing Skin Disorders or Eye Problems or Impaired Respiratory Function May be More Susceptible to the Effects of the Substance.
SECTION IV - FIRST AID MEASURES	
Inhalation:	Remove to Fresh Air. If not Breathing, Give Artificial Respiration. If Breathing is Difficult, Give Oxygen. Get Medical Attention.
Ingestion:	Do Not Induce Vomiting! Give Large Quantities of Water. Never Give Anything by Mouth to an Unconscious Person. Get Medical Attention Immediately.
Skin:	Immediately Flush Skin with Plenty of Water for at Least 15 Minutes while Removing Contaminated Clothing and Shoes. Call Physician Immediately. Wash Clothing before Reuse.
Eyes:	Immediately Flush Eyes with Gentle but Large Stream of Water for at Least 15 Minutes, Lifting Lower and Upper Eyelids Occasionally. Get Medical Attention Immediately.
Note to Physician:	Perform Endoscopy in All Cases of Suspected Sodium Hydroxide Ingestion.
SECTION V - FIRE FIGHTING MEASURES	
Fire:	Not Considered to be a Fire Hazard.
Explosion:	Not Considered to be an Explosion Hazard.
Fire Extinguishing Media:	Use any means Suitable for Extinguishing Surrounding Fire.
Special Information:	Use Protective Clothing and Breathing Equipment Appropriate for the Surrounding Fire.

SECTION VI - ACCIDENTAL RELEASE MEASURES	
	Ventilate area of Leak or Spill. Keep Unnecessary and Unprotected People away from the area of Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 7. Contain and Recover Liquid when Possible. Use Non-Sparking Tools and Equipment. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth). Do Not use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities.
SECTION VII - HANDLING AND STORAGE	
	Keep in a Tightly closed Container. Protect from Physical Damage. Store in a Cool, Dry, Ventilated Area away from Sources of Heat, Moisture and Incompatibilities. Separate from Acids and Alkalis. Containers of this Material may be Hazardous when Empty since they Retain Product Residues (Vapors, Liquid). Protect from Freezing.
SECTION VIII - EXPOSURE CONTROL / PERSONAL PROTECTION	
Ventilation System:	A System of Local and/or General Exhaust is Recommended to Keep Employee Exposures Below the Airborne Exposure Limits. Local Exhaust Ventilation is Generally Preferred Because it can Control the Emissions of the Contaminant at its Source, Preventing Dispersion of it into the General Work Area.
Airborne Exposure Limits:	OSHA Permissible Exposure (PEL) 2 mg/m ³ (Ceiling)-ACGIH (TLV) 2 mg/m ³ (Ceiling)
Personal Respirators: (NIOSH APPROVED)	Not Expected to Require Personal Respirator Usage. If the Exposure Limit is Exceeded, a Half-Face Dust/Mist Respirator May be Worn for up to Ten Times the Exposure Limit or the Maximum use Concentration Specified by the Appropriate Regulatory Agency or Respirator Supplier, Whichever is Lowest. A Full-Face piece Dust/Mist Respirator May be Worn up to 50 times the Exposure Limit or the Maximum use Concentration Specified by the Appropriate Regulatory Agency or Respirator Supplier, Whichever is Lowest.
Skin Protection:	Wear Impervious Protective Clothing, Including Boots, Apron, Gloves, Lab Coat or Coveralls, as Appropriate, to Prevent Skin Contact.
Eye Protection:	Use Chemical Safety Goggles and/or Full Face Shield where Splashing is Possible. Maintain Eye Wash Fountain and Quick-Drench Facilities in Work Area.
SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance / Odor:	Clear, Colorless Solution / Odorless
Solubility:	Completely Miscible with Water
Specific Gravity:	approx. 1.03 to 1.05
pH:	12 to 13
% Volatiles by Vol.:	> 90 (as water)
Melting Point:	32 °F (0 °C)
Boiling Point:	212 °F (100 °C)
Vapor Density (Air=1):	No Information Found
Vapor Pressure (mmHg):	No Information Found
SECTION X - STABILITY AND REACTIVITY	
General Reactivity:	Stable Under Ordinary Conditions of Use and Storage.
Hazardous Decomposition:	No Hazardous Decomposition Products.
Incompatibilities:	Acids, Aluminum, Tin and Zinc Metals
Hazardous Polymerization:	Will Not Occur.

SECTION XI - TOXICOLOGICAL INFORMATION																
Carcinogenic References:	NTP Carcinogen - Known: No, IARC Category- None															
SECTION XII - ECOLOGICAL INFORMATION																
Environmental Fate:	No Information Found.															
Environmental Toxicity:	No Information Found.															
SECTION XIII - DISPOSAL CONSIDERATIONS																
Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.																
SECTION XIV - TRANSPORT INFORMATION																
Hazard Class:	Not Regulated															
Identification No.:	Not Regulated															
SECTION XV - REGULATORY INFORMATION																
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Chemical Weapons Convention:	No															
TSCA 12 (b):	No															
CDTA:	No															
SARA 311/312:	Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No (Mixture / Liquid)															
SECTION XVI - OTHER INFORMATION																
NFPA Rating:	HEALTH-1, FLAMMABILITY-1, REACTIVITY-0															
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