Date prepared: 02/10/2001
MSDS Number: ACC00409

Product and Company Identification

Product Name: 3M sodium hydroxide, stop solution and 1M stop reagent
Catalog Number: ACC 00409 and PDN 00023

Company: Agdia, Inc
Address: 30380 County Rd 6
Elkhart, IN 46514
USA
Phone: 1-800-622-4342 or
1-574-264-2014

Material / Ingredient Identification

Chemical Name:	CAS Number	Exposure Limits
Sodium hydroxide	1310-73-2	2 mg/m^3 OSHA

Physical Chemical Characteristics

Boiling Point: NA
Vapor Pressure: < 18mm at 20ºC
Vapor Density: NA
Solubility in Water: NA
Specific Gravity: 1.1329
Melting Point: NA
Evaporation Rate: NA
Water Reactive: NA
Appearance and odor: Clear, colorless liquid.

Fire and Explosion Hazard Data

Flash Point: N/A
Flammability Limits: NA
Extinguisher Media: Dry chemical.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.
Unusual Fire and Explosion Hazards: Emits toxic fumes under fire conditions.

Reactivity Hazard Data

Chemical Stability: Stable_X_ Unstable____
Conditions To Avoid: N/A
Incompatibility (Materials to avoid): Strong acids
Hazardous Decomposition Products: NA
Hazardous Polymerization: May Occur____ Will Not Occur_X_
Conditions to Avoid: NA

Health Hazard Data

Routes of Entry: Inhalation_X_ Ingestion_X_ Skin Absorption_X_
Carcinogenicity: NTP___ IARC Monograph___ OSHA___ Not Listed_X_
Health Hazards:
Acute: Destructive to mucous membranes of eyes, skin and upper respiratory tract. Corrosive.
Chronic: No data.

Signs and Symptoms of Exposure May include coughing, wheezing, headache, nausea, vomiting, shortness of breath, burning sensation and laryngitis.
Medical Conditions Generally Aggravated by Exposure: No data.

First Aid Procedures

Eye Contact: Flush eyes with water for at least 15 minutes.
Skin Contact: Flush skin with water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Discard contaminated shoes.
Inhalation: Get to fresh air. Get medical attention.
Ingestion: If person is conscious, wash mouth out with water. Get medical attention.

Seek medical assistance for further treatment, observation and support if necessary.

Control and Protective Measures

Respiratory Protection: If respirator is needed, follow OSHA respirator protection standards found in 29CFR1910.134.
Protective Gloves: Chemical resistant gloves.
Eye Protection: Chemical safety goggles.
Ventilation: Use adequate general or local exhaust ventilation.
Other Protective Clothing and Equipment: Wear lab coat or apron.
Hygienic Work Practices: Use good laboratory practices. Wash hands after using.

Precautions for Safe Handling and Use

Steps to be Taken If Material Is Spilled Or Released: Wear gloves, chemical safety goggles and protective clothing. Ventilate area. Absorb on sand or vermiculite. Place in closed container for disposal. Wash spill site after completing material pick-up.
Waste Disposal Methods: For small amounts: To a large excess of water that is being stirred, cautiously add disposal material. Adjust pH to neutral. Separate any insoluble solids or liquids and package them for waste disposal. Flush aqueous solution down the drain with ample amounts of water. Heat and fumes may be generated by the hydrolysis and neutralization reactions, however, this can be controlled by the rate of addition.
Precautions to Take in Handling and Storage: Do not get in eyes, on skin, or on clothing. Store in a cool, dry place.
Other Precautions and/or Special Hazards: Corrosive. Contact with aluminum, zinc and tin liberates hydrogen gas.