

IMPORTANT

MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL

OSHA requires that this form be kept on file.

Product No. KM 714 M

Product Name SILVER NITRATE

0.10 N SOLUTION

Health Hazard	2
Flammability	0
Reactivity	0

SECTION I NAME

Chemical Synonyms N/A

Formula mixture

C.A.S. No. See Section II

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)

Silver Nitrate CAS# 7761-88-8

% P.E.L. TLV units
2 N/A 10 ug (Ag)/m³

* chemical subject to the reporting requirements of SARA Title III.

SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H ₂ O=1)	4.35
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (N/A)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Complete		
Appearance & Odor	Colorless, odorless liquid.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Nonflammable	Flammable Limits in Air % by Volume	Lower N/A	Upper N/A
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Extinguisher Media Use extinguisher media appropriate for surrounding fire.

Special Firefighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Unusual Fire and Explosion Hazards

Toxic gas of nitrogen oxides may be produced.

DEC 28 1995

D.O.T. Silver nitrate solution, 5.1, UN1493, PGI

See Section II

Effects of Overexposure

Contact with skin or eyes may cause irritation. Ingestion may cause gastrointestinal pain, nausea and vomiting.

Emergency and First Aid Procedures

Call a physician. EYES/SKIN: Immediately flush with plenty of water for at least 15 minutes. INHALATION: Remove to fresh air and assist breathing if necessary. INGESTION: Immediately induce vomiting by giving a tablespoon of salt in warm water and repeat until vomit is clear.

SECTION VI REACTIVITY DATA

Stability Stable ☒ Unstable ☐

Conditions to Avoid Light

Incompatibility (Materials to Avoid)

Combustible materials, bromine trifluoride and trichloride, magnesium, phosphine, strong reducing agents.

Hazardous Decomposition Products

Oxides of nitrogen.

Hazardous Polymerization May Occur ☐ Will Not Occur ☒

Conditions to Avoid N/A

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled

Take up with sand or other non-combustible absorbent material and containerize for disposal. Flush spill area with water.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities. Dispose in accordance with all applicable federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection NIOSH approved dust/mist respirator if TLV exceeded.

Ventilation

Local Exhaust (X)

Special Other

Protective Gloves

Rubber Gloves

Eye Protection

Safety Goggles

Other Protective Equipment

Lab coat.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storage

Keep container tightly closed when not in use. Keep container out of light. Wash thoroughly after handling.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals. Do not get on skin or in eyes. Do not breathe fumes or mist.

Approved by Steven C. Quandt

Effective Date

11/15/94

For laboratory use only. Not for household use. Keep out of the hands of children. The information contained herein is furnished without warranty of any kind. Employees should use this information only as a supplement to other information supplied by the manufacturer.

IMPORTANT

MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
(SDS) requires that this form be kept on file.

Product No. SA 9746 M

Product Name SODIUM HYDROXIDE, 0.1N

SECTION I NAME

Chemical Synonyms Cautic Soda Solution

Formula NaOH in H₂O

C.A.S. No. See Section II

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)

Sodium Hydroxide C.A.S. #1310-73-2

% PEL TLV Units
<4 2 mg/m³ 2 mg/m³

SECTION III PHYSICAL DATA

Melting Point (°F)

N/A

Boiling Point (°F)

N/A

Vapor Pressure (mm Hg)

N/A

Vapor Density (Air=1)

N/A

Solubility in Water

Complete

Appearance & Odor

Colorless, odorless liquid.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)

N/A

Extinguisher

Use extinguishing media appropriate for surrounding fire.

Special Firefighting Procedures

Flood with water, do not splatter or splash this material.

Unusual Fire and Explosion Hazards

Reacts with most metals to produce hydrogen gas, which can form an explosive mixture with air.

DEC 28 1995

Sodium hydroxide, solution, 8, UN1824, PGI

See Section II

Effects of Overexposure

Inhalation: Inhalation of vapors may cause severe irritation or burns of the respiratory system, pulmonary edema, or lung inflammation. Liquid may cause burns to skin and eyes. Liquid may cause permanent eye damage. **Ingestion:** Ingestion may cause severe burning to mouth and stomach. Ingestion may cause nausea and vomiting.

Emergency and First Aid Procedures

Call a physician. If swallowed, do not induce vomiting; if conscious, give large amounts of water. Follow with diluted vinegar, fruit juice or whites of eggs, beaten with water. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

SECTION VI REACTIVITY DATA

Stability

Stable ☒ Unstable ☐

Conditions to Avoid

N/A

Incompatibility (Materials to Avoid)

Strong acids, organic materials, most common metals, zinc, aluminum, magnesium, halogenated hydrocarbons.

Hazardous Decomposition Products

N/A

Hazardous Polymerization May Occur ☐ Will Not Occur ☒

Conditions to Avoid

N/A

SECTION VII SPILL/LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled

Stop leak if it can be done without risk. Ventilate area. Carefully neutralize spill with dilute HCl. Flush area with flooding amounts of water. (Use caution.)

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities or Dispose in accordance with all applicable federal, state and local environmental regulation

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type)

NIOSH approved respirator if TLV exceeded.

Ventilation

Local Exhaust

X

Special

Protective Gloves

Rubber gloves

Other Protective Equipment

Lab coat, protective clothing.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Keep container tightly closed when not in use.

Store in corrosion-proof area. Isolate from incompatible materials. Wash thoroughly after handling.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

N/A

Approved by

Steven C. Quandt

Effective Date

10/20/95

For laboratory use only. Not for drug, food, household use. Keep out of reach of child.