

# MATERIAL SAFETY DATA SHEET

Conforms to ANSI Z400.1 and is in compliance with 29 CFR 1910

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## Section 1: Product Identification

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**Product Name:** VC-100® Titration Cartridges  
**Synonyms:** Sodium hydroxide, 0.1612N

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## Section 2: Composition

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**Components:** A standardized aqueous solution of sodium hydroxide (0.1612N)

<u>CAS #</u>	<u>Chemical Name</u>	<u>%</u>
[1310-73-2]	Sodium Hydroxide	0.1-1.0

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## Section 3: Hazards Identification

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### DANGER!

**Emergency Overview:** Substance may be harmful if swallowed. Contact with eyes will cause burns. Contact with skin may cause burns. May aggravate pre-existing eye or skin conditions.

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## Section 4: First Aid Measures

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**Skin Contact:** Remove any contaminated clothing. Rinse the contacted area with water, then wash with soap and water. Wash clothing before reuse. Seek medical advice if irritation develops.

**Eye contact:** In case of contact, flush eyes with copious amounts of water for at least 15-20 minutes. Raise eyelids to be sure material is rinsed out. Obtain professional medical treatment immediately.

**Ingestion:** If ingested, do not induce vomiting. Obtain professional medical treatment immediately. Give 1-2 glasses of water; however, never give anything by mouth to an unconscious person.

**Inhalation:** None Required

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## Section 5: Fire Fighting Measures

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**Flash point** Not available  
**Extinguishing Media:** Use whatever is required for the surrounding area

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## Section 6: Accidental Release Measures

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**Spill Procedure:** Personnel should wear chemical resistant gloves and laboratory coat or apron. Take up spill or leak with absorbent material and place in a suitable chemical waste container. Flush area with water.

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**Section 7: Handling and Storage**

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**Storage:** Store at temperature and conditions as indicated on the product label.  
**Handling:** Avoid contact with the eyes, skin, and clothing. Wash thoroughly after handling.

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**Section 8: Exposure Control and Personal Protection Equipment (PPE)**

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**Ventilation:** Use general room ventilation  
**Respiratory Protection:** None required  
**Eye Protection:** Standard laboratory safety glasses recommended  
**Gloves:** Standard laboratory latex or rubber gloves recommended  
**Other:** A laboratory coat or apron is recommended. Have an eyewash station nearby.

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**Section 9: Physical and Chemical Properties**

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<b>Appearance:</b>	Clear, colorless liquid	<b>Odor:</b>	None
<b>Specific Gravity:</b>	~ 0.988	<b>pH:</b>	>13
<b>Metal Corrosivity:</b>	Steel: 0.00 in/yr Aluminum: 0.18 in/yr	<b>Evaporation Rate:</b>	0.72

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**Section 10: Stability and Reactivity**

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**Hazardous Polymerization:** Will not occur  
**Materials to Avoid:** May react violently in contact with strong acids  
**Conditions to Avoid:** Heat and evaporation  
**Hazardous Decomposition Products:** None identified  
**Stability:** Stable when stored under proper conditions

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**Section 11: Toxicological Properties**

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**Carcinogenicity:** None of the components are listed as carcinogens or as suspect carcinogens.  
**Toxicity:** Under normal use this product poses a negligible hazard. However, in keeping with standard laboratory safety practices, precautions should be taken to avoid exposure.

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**Section 12: Ecological Information**

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Ecological effects of this mixture have not been determined.

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**Section 13: Disposal Considerations**

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EPA Waste ID Number: D002. Each facility must determine proper disposal methods to comply with local, state, and federal regulations.

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**Section 14: Transport Information**

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Not currently regulated.

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**Section 15: Regulatory Information**

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***U.S. Federal Regulations:***

***O.S.H.A.:***

This product meets the criteria for a hazardous substance defined in the Hazard Communication Standard. (29 CFR 1910.1200)  
Immediate (Acute) Health Hazard

***E.P.A.: S.A.R.A Title III Section 311/312 Categorization (40 CFR 370):***

***E.P.A.: S.A.R.A. Title III Section (40 CFR 372)***

This product does NOT contain any chemical subject to the reporting requirements of Section 313 of Title III of S.A.R.A.

***302 (EHS) TPQ (40 CFR 355):***

Not applicable

***304 CERCLA RQ (40 CFR 302.4):***

Sodium Hydroxide 1000 lbs.

***304 EHS RQ (40 CFR 355):***

Not applicable

***Clean Water Act (40 CFR 116.4):***

Sodium Hydroxide - RQ = 1000 lbs. (454 kgs)

***RCRA:***

Contains RCRA regulated substances. See Section 13, EPA Waste ID Number

***C.P.S.C:***

Not applicable

***State Regulations:***

***California Prop. 65:***

No Prop. 65 listed chemicals are present in this product

***Identification of Prop. 65 Ingredient(s):***

Not applicable

***National Inventories:***

***U.S. Inventory Status:***

All ingredient in this product are listed on the TSCA 8(b) Inventory (40 CFR 710)

***TSCA CAS Number:***

Not applicable

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**Section 16: Other**

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This product is intended for use as supplied. Adulteration by dilution or addition of any materials to the product as supplied invalidates any diagnostic use of the product.

Streck provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of this material safety data sheet.