

# MATERIAL SAFETY DATA SHEET

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** TEST STRIP, AMMONIA SET W/ BTL/25  
**Catalog Number:** 2755325

Hach Company  
P.O.Box 389  
Loveland, CO USA 80539  
(970) 669-3050

Emergency Telephone Numbers:  
(Medical and Transportation)  
(303) 623-5716 24 Hour Service  
(515)232-2533 8am - 4pm CST

**MSDS Number:**  
**Chemical Name:** Not applicable  
**TSCA CAS Number:** Not applicable  
**Alternate CAS No. (for hydrated forms):**  
**Chemical Formula:** Not applicable  
**Chemical Family:** Not applicable  
**Intended Use:** Analytical reagent

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## 2. HAZARDS IDENTIFICATION

**GHS Classification:**  
**Hazard categories:**  
**GHS Label Elements:**  
**Hazard statements:**  
**Precautionary statements:**  
**HMIS:**  
**Health:** 0  
**Flammability:** 0  
**Reactivity:** 0  
**Protective Equipment:** Not applicable  
**NFPA:**  
**Health:** 0  
**Flammability:** 0  
**Reactivity:** 0  
**Symbol:** None  
**WHMIS Hazard Classification:**  
**WHMIS Symbols:**

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous Components per Regulation (EC) No. 1272/2008:**

**Test Strips**

**TSCA CAS Number:** Not applicable  
**Chemical Formula:** Not applicable  
**GHS Classification:**  
**Percent Range:** Test strip with chemically treated pads  
**Percent Range Units:** weight / weight  
**PEL:** Not applicable  
**TLV:** Not applicable

**WHMIS Symbols:**

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#### 4. FIRST AID

**General Information:**

**Advice to doctor:**

**Eye Contact:** Not applicable

**Skin Contact (First Aid):** Not applicable

**Inhalation:** Not applicable

**Ingestion (First Aid):** Not applicable

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#### 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Can burn in fire, releasing toxic vapors.

**Fire Fighting Instruction:** Evacuate area and fight fire from a safe distance. As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

**Extinguishing Media:** Use media appropriate to surrounding fire conditions

**Extinguishing Media NOT To Be Used:** Not applicable

**Fire / Explosion Hazards:** Not applicable

**Hazardous Combustion Products:** carbon monoxide, carbon dioxide. chromium oxides silver oxides zinc oxide

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#### 6. ACCIDENTAL RELEASE MEASURES

**Spill Response Notice:**

Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance.

**Containment Technique:** Not applicable

**Clean-up Technique:** Not applicable

**Evacuation Procedure:** Not applicable

**DOT Emergency Response Guide Number:**

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#### 7. HANDLING / STORAGE

**Handling:** Maintain general industrial hygiene practices when using this product.

**Storage:** Keep material dry.

**Flammability Class:** Not applicable

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#### 8. EXPOSURE CONTROLS / PROTECTIVE EQUIPMENT

**Engineering Controls:** Maintain general industrial hygiene practices when using this product.

**Personal Protective Equipment:**

**Eye Protection:** Not applicable

**Skin Protection:** Not applicable

**Inhalation Protection:** Not applicable

**Precautionary Measures:** Not applicable

**TLV:** Not applicable

**PEL:** Not applicable

**For Occupational Exposure Limits (OEL) for ingredients, see section 3 - Composition/Information on Ingredients.:**

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#### 9. PHYSICAL / CHEMICAL PROPERTIES

**Appearance:** Test Strip

**Physical State:** Solid

**Molecular Weight:** Not applicable

**Odor:** None

**Odor Threshold:**

**pH:** Not applicable

**Metal Corrosivity:**

**Corrosivity Classification:**

**Steel:**

**Aluminum:**

**Specific Gravity/ Relative Density (water = 1; air =1):** Not applicable

**Viscosity:**

**Solubility:**

**Water:** Not applicable

**Acid:** Not applicable

**Other:** Not applicable

**Partition Coefficient (n-octanol / water):** Not applicable

**Coefficient of Water / Oil:** Not applicable

**Melting Point:** Not applicable

**Decomposition Temperature:**

**Boiling Point:** Not applicable

**Vapor Pressure:** Not applicable

**Vapor Density (air = 1):** Not applicable

**Evaporation Rate (water = 1):** Not applicable

**Volatile Organic Compounds Content:** Not applicable

**Flammable Properties:** Can burn in fire, releasing toxic vapors.

**Flash Point:** Not applicable

**Method:** Not applicable

**Flammability Limits:**

**Lower Explosion Limits:** Not applicable

**Upper Explosion Limits:** Not applicable

**Autoignition Temperature:** Not applicable

**Explosive Properties:**

**Oxidizing Properties:**

**Reactivity Properties:**

**Gas under Pressure:**

Not classified according to GHS

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## 10. STABILITY / REACTIVITY

**Chemical Stability:** Stable when stored under proper conditions.

**Mechanical Impact:**

**Static Discharge:**

**Reactivity / Incompatibility:** Not applicable

**Hazardous Decomposition:** Not applicable

**Conditions to Avoid:** Excess moisture

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## 11. TOXICOLOGICAL INFORMATION

**Toxicokinetics, Metabolism and Distribution:**

**Toxicologically Synergistic Products:** None reported

**Acute Toxicity:**

**Specific Target Organ Toxicity - Single Exposure (STOT-SE):**

**Specific Target Organ Toxicity - Repeat Exposure (STOT-RE):**

**Skin Corrosion/Irritation:**

**Eye Damage:**

**Sensitization:**

**Carcinogenic, Mutagenic or Reproductive Toxin Effects:**

**Symptoms/Effects:**

**Ingestion (EC):**

**Inhalation (EC):**

**Skin Absorption (EC):**

**Chronic Effects:** No effects anticipated

**Medical Conditions Aggravated:** None reported

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## 12. ECOLOGICAL INFORMATION

**Product Ecological Information: --**

No ecological data available for this product.

**Ingredient Ecological Information: --**

Ecological data for ingredients is not indicative of likely ecological harm.

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## 13. DISPOSAL CONSIDERATIONS

**EPA Waste ID Number:**

**Special Instructions (Disposal):**

**Empty Containers:** Not applicable

**NOTICE (Disposal):** Not applicable

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## 14. TRANSPORT INFORMATION

**D.O.T.:**

**D.O.T. Proper Shipping Name:** Not Currently Regulated

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**DOT Hazard Class:** NA

**DOT Subsidiary Risk:** NA

**DOT ID Number:** NA

**DOT Packing Group:** NA

**T.D.G.:**

**T.D.G. Proper Shipping Name:** Not Currently Regulated

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**T.D.G. Hazard Class:** NA

**T.D.G. Subsidiary Risk:** NA

**PIN:** NA

**Group:** NA

**I.C.A.O.:**

**I.C.A.O. Proper Shipping Name:** Not Currently Regulated

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**ICAO Hazard Class:** NA

**ICAO Subsidiary Risk:** NA

**ICAO ID Number:** NA

**ICAO Packing Group:** NA

**I.M.O.:**

**I.M.O. Proper Shipping Name:** Not Currently Regulated

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**I.M.O. Hazard Class:** NA

**I.M.O. Subsidiary Risk:** NA

**I.M.O. ID Number:** NA

**I.M.O. Packing Group:** NA

**Marine Pollutant:**

**Additional Information:**

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## 15. REGULATORY INFORMATION

**U.S. Federal Regulations:**

**O.S.H.A.:** This product is an "Article" as defined in the Hazard Communication Standard (29 CFR. 1910.1200)

**E.P.A.:**

**S.A.R.A. Title III Section 311/312 Categorization (40 CFR 370):** This product is not hazardous under 29 CFR.1910.1200 and therefore is not covered by Title III under SARA.

**S.A.R.A. Title III Section 313 (40 CFR 372):** This product does NOT contain any chemical subject to the reporting requirements of Section 313 of Title III of SARA.

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**302 (EHS) TPQ (40 CFR 355):** Not applicable

**304 CERCLA RQ (40 CFR 302.4):** Not applicable

**304 EHS RQ (40 CFR 355):** Not applicable

**Clean Water Act (40 CFR 116.4):** Not applicable

**RCRA:** Contains no RCRA regulated substances.

**State Regulations:**

**California Prop. 65:** No Prop. 65 listed chemicals are present in this product.

**Identification of Prop. 65 Ingredient(s):** None

**California Perchlorate Rule CCR Title 22 Chap 33:** Not applicable

**Trade Secret Registry:**

**National Inventories:**

**U.S. Inventory Status:** All ingredients in this product are listed on the TSCA 8(b) Inventory (40 CFR 710).

**TSCA CAS Number:** Not applicable

**Canadian Inventory Status:** All ingredients of this product are DSL Listed.

**EEC Inventory Status:** All ingredients used to make this product are listed on EINECS / ELINCS.

**Australian Inventory Status:**

**New Zealand (ERMA) Inventory Status:**

**Korean (TCCL) Inventory Status:**

**Japan (CHRIP) Inventory Status:**

**China (PRC) Inventory Status:**

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## 16. OTHER INFORMATION

**References:** In-house information.

**Complete Text of H phrases referred to in Section 3:**

**Revision Summary:** New MSDS Substantial revision to comply with EU Reg 1272/2008, Reg 1907/2006 and UN GHS ( ST/SG/AC.10/36/Add.3).

**Date of MSDS Preparation:**

**Day:** 22

**Month:** September

**Year:** 2014

**MSDS Prepared:** MSDS prepared by Product Compliance Department extension 3350

**CCOHS Evaluation Note:**

**WHMIS Evaluation Note:**

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### Legend:

NA - Not Applicable	w/w - weight/weight
ND - Not Determined	w/v - weight/volume
NV - Not Available	v/v - volume/volume

**USER RESPONSIBILITY:** Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

**THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.**

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