

# SAFETY DATA SHEET

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Spec Color Standard Kit, Fluoride  
**Catalog Number:** 2712500

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:** M03146  
**Chemical Name:** Not applicable  
**CAS Number:** Not applicable  
**Additional CAS No. (for hydrated forms):** Not applicable  
**Chemical Formula:** Not Applicable  
**Chemical Family:** Article, polyurethane elastomer  
**Intended Use:** Color Standard

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## 2. HAZARDS IDENTIFICATION

**GHS Classification:**  
**Hazard categories:** Not applicable  
**GHS Label Elements:**  
Not applicable  
**Hazard statements:** Not applicable  
**Precautionary statements:** Not applicable  
**HMIS:**  
**Health:** 0  
**Flammability:** 1  
**Reactivity:** 0  
**Protective Equipment:** Not applicable  
**NFPA:**  
**Health:** 0  
**Flammability:** 1  
**Reactivity:** 0  
**Symbol:** None  
**WHMIS Hazard Classification:** Not applicable  
**WHMIS Symbols:** Not applicable

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous Components according to GHS:** No  
**Polyurethane polymer, cured**

**CAS Number:** Not applicable  
**Chemical Formula:** C<sub>25</sub>H<sub>42</sub>N<sub>2</sub>O<sub>6</sub>  
**GHS Classification:** Not hazardous per GHS classification criteria  
**Percent Range (Trade Secret):** 70.0 - 80.0  
**Percent Range Units:** weight / weight  
**PEL:** Not applicable  
**TLV:** Not applicable

**WHMIS Symbols:** Not applicable  
**Powdered Dyes, Each**

**CAS Number:** Not applicable  
**Chemical Formula:** Not applicable  
**GHS Classification:** Not hazardous per GHS classification criteria  
**Percent Range (Trade Secret):** < 1.0  
**Percent Range Units:** weight / weight  
**PEL:** Not Established  
**TLV:** Not Established

**WHMIS Symbols:** Not applicable

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#### 4. FIRST AID MEASURES

**General Information:** In the event of exposure, show this Material Safety Data Sheet and label (where possible) to a doctor.  
**Advice to doctor:** Treat symptomatically.  
**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. Can burn in fire, releasing toxic vapors.  
**Fire Fighting Instruction:** As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.  
**Extinguishing Media:** Alcohol foam. Carbon dioxide. Dry chemical. Water fog  
**Extinguishing Media NOT To Be Used:** Not applicable  
**Fire / Explosion Hazards:** Do not expose to flames.  
**Hazardous Combustion Products:** carbon monoxide, carbon dioxide.

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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.  
**Containment Technique:** Not applicable  
**Clean-up Technique:** Sweep up broken vial and contents. Dispose per local, state, federal regulations.  
**Evacuation Procedure:** Evacuate as needed to perform spill clean-up.  
**DOT Emergency Response Guide Number:** Not applicable

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#### 7. HANDLING AND STORAGE

**Handling:** Maintain general industrial hygiene practices when using this product.  
**Storage:** Do not store in direct sunlight.  
**Flammability Class:** Not applicable

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Not applicable  
**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 AND CHEMICAL PROPERTIES

**Appearance:** Glass vial with cured polyurethane  
**Physical State:** Solid  
**Molecular Weight:** Not applicable  
**Odor:** None  
**Odor Threshold:** Not applicable  
**pH:** Not applicable  
**Metal Corrosivity:**  
**Corrosivity Classification:** Not classified as corrosive to metals according to GHS criteria.  
**Steel:** Not applicable  
**Aluminum:** Not applicable  
**Specific Gravity/ Relative Density (water = 1; air =1):** Not determined  
**Viscosity:** Not applicable  
**Solubility:**  
**Water:** Insoluble  
**Acid:** Not determined  
**Other:** Not determined  
**Partition Coefficient (n-octanol / water):** Not applicable  
**Coefficient of Water / Oil:** Not applicable  
**Melting Point:** Not determined  
**Decomposition Temperature:** Not determined  
**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 determined  
**Method:** Not applicable  
**Flammability Limits:**  
**Lower Explosion Limits:** Not applicable  
**Upper Explosion Limits:** Not applicable  
**Autoignition Temperature:** Not determined  
**Explosive Properties:**  
Not classified according to GHS criteria.  
**Oxidizing Properties:**  
Not classified according to GHS criteria.  
**Reactivity Properties:**  
Not classified as self-reactive, pyrophoric, self-heating or emitting flammable gases in contact with water according to GHS criteria.  
**Gas under Pressure:**  
Not classified according to GHS criteria.

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## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Not applicable  
**Mechanical Impact:** Not applicable  
**Static Discharge:** Not applicable  
**Reactivity / Incompatibility:** Not applicable  
**Hazardous Decomposition:** Heating to decomposition releases toxic fumes of carbon monoxide and carbon dioxide.  
**Conditions to Avoid:** Flames

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## 11. TOXICOLOGICAL INFORMATION

**Toxicokinetics, Metabolism and Distribution:** Item is an article. No health effects are anticipated in normal use.

**Toxicologically Synergistic Products:** Not applicable

**Acute Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure (STOT-SE):** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeat Exposure (STOT-RE):** Based on classification principles, the classification criteria are not met.

**Skin Corrosion/Irritation:** Based on classification principles, the classification criteria are not met.

**Eye Damage:** Based on classification principles, the classification criteria are not met.

**Sensitization:** Based on classification principles, the classification criteria are not met.

**CMR Effects/Properties (carcinogenic, mutagenic or toxic to reproduction):** Based on classification principles, the classification criteria are not met.

Not applicable

**Symptoms/Effects:**

**Ingestion:** Not applicable

**Inhalation:** Not applicable

**Skin Absorption:** Not applicable

**Chronic Effects:** Not applicable

**Medical Conditions Aggravated:** Not applicable

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## 12. ECOLOGICAL INFORMATION

**Product Ecological Information:** --

No ecological data available for this product.

**Ingredient Ecological Information:** No ecological data available for the ingredients of this product

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## 13. DISPOSAL CONSIDERATIONS

**EPA Waste ID Number:** Not applicable

**Special Instructions (Disposal):** Check with national, local municipal and state authorities and waste contractors for pertinent local information on the disposal of this article.

**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

**Hazard Class:** Not applicable

**Subsidiary Risk:** NA

**ID Number:** NA

**Packing Group:** NA

**T.D.G.:**

**Proper Shipping Name:** Not Currently Regulated

**Hazard Class:** Not applicable

**Subsidiary Risk:** NA

**UN Number/PIN:** NA

**Packing Group:** NA

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

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

**Hazard Class:** Not applicable

**Subsidiary Risk:** NA

**ID Number:** NA

**Packing Group:** NA

**I.M.O.:**

**Proper Shipping Name:** Not Currently Regulated  
**Hazard Class:** NA  
**Subsidiary Risk:** NA  
**ID Number:** NA  
**Packing Group:** NA  
**Marine Pollutant:**  
**Additional Information:** Not applicable

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## 15. REGULATORY INFORMATION

**U.S. Federal Regulations:**

**O.S.H.A.:** This product does not meet the criteria for a hazardous substance 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):** Not applicable

**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:** This is an article. Contains no listed RCRA substances.

**State Regulations:**

**California Prop. 65:** Not applicable

**Identification of Prop. 65 Ingredient(s):** Not applicable

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

**Trade Secret Registry:** Not applicable

**National Inventories:**

**U.S. Inventory Status:** Article exemption. All ingredients within are listed on the TSCA 8(b) Inventory (40CFR710).

**CAS Number:** Not applicable

**Canadian Inventory Status:** Article exemption. All components within are DSL Listed.

**EEC Inventory Status:** Not applicable

**Australian Inventory (AICS) Status:** Not Required - Article (NICNAS Handbook for Notifiers- App 9)

**New Zealand Inventory (NZIoC) Status:** Not listed - exempt. Article.

**Korean Inventory (KECI) Status:** Not listed - exempt. Article.

**Japan (ENCS) Inventory Status:** Not listed - exempt. Article.

**China (PRC) Inventory (MEP) Status:** Not listed - exempt. Article.

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## 16. OTHER INFORMATION

**References:** 29 CFR 1900 - 1910 (Code of Federal Regulations - Labor). Vendor Information.

**Complete Text of H phrases referred to in Section 3:** Not applicable

**Revision Summary:** 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:** 24

**Month:** October

**Year:** 2014

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

**CCOHS Evaluation Note:** It is offered under exemption from WHMIS labeling as specified in the Controlled Products Regulation (CPR) Section 17. It is offered under the interim policy that was established by Health Canada permitting use of GHS-formatted safety data sheets in Canada prior to revision of CPR to GHS.

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**Legend:**

NA - Not Applicable

w/w - weight/weight

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

Page 6  
Date Printed 10/29/15  
MSDS No: M03146

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.  
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