

# MATERIAL SAFETY DATA SHEET

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Gelex Secondary Turbidity Standard - Stray Light  
**Catalog Number:** 2589100

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:** M01664  
**Chemical Name:**  
**TSCA CAS Number:** Not applicable  
**Alternate CAS No. (for hydrated forms):** Not applicable  
**Chemical Formula:**  
**Chemical Family:**  
**Intended Use:**

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## 2. HAZARDS IDENTIFICATION

**GHS Classification:**  
**Hazard categories:** Not applicable  
**GHS Label Elements:**  
  
**Hazard statements:** Not applicable  
**Precautionary statements:** Not applicable  
**HMIS:**  
**Health:**  
**Flammability:**  
**Reactivity:**  
**Protective Equipment:**  
**NFPA:**  
**Health:**  
**Flammability:**  
**Reactivity:**  
**Symbol:**  
**WHMIS Hazard Classification:**  
**WHMIS Symbols:**

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

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## 4. FIRST AID

**General Information:**  
**Advice to doctor:**  
**Eye Contact:** Not applicable  
**Skin Contact (First Aid):** Not applicable  
**Inhalation:** None required.  
**Ingestion (First Aid):** Not applicable

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## 5. FIRE FIGHTING MEASURES

*Flammable Properties:*  
*Fire Fighting Instruction:*  
*Extinguishing Media:*  
*Extinguishing Media NOT To Be Used:*  
*Fire / Explosion Hazards:*  
*Hazardous Combustion Products:*

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## 6. ACCIDENTAL RELEASE MEASURES

*Spill Response Notice:*  
*Containment Technique:*  
*Clean-up Technique:*  
*Evacuation Procedure:*  
*DOT Emergency Response Guide Number:*

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## 7. HANDLING / STORAGE

*Handling:*  
*Storage:*  
*Flammability Class:*

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## 8. EXPOSURE CONTROLS / PROTECTIVE EQUIPMENT

*Engineering Controls:*  
*Personal Protective Equipment:*  
    *Eye Protection:*  
    *Skin Protection:*  
    *Inhalation Protection:*  
*Precautionary Measures:*  
*TLV:* Not determined  
*PEL:* Not determined  
*For Occupational Exposure Limits (OEL) for ingredients, see section 3 - Composition/Information on Ingredients.:*

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## 9. PHYSICAL / CHEMICAL PROPERTIES

*Appearance:*  
*Physical State:*  
*Molecular Weight:*  
*Odor:*  
*Odor Threshold:*  
*pH:* Not Applicable  
*Metal Corrosivity:*  
    *Corrosivity Classification:*  
    *Steel:*  
    *Aluminum:*  
*Specific Gravity/ Relative Density (water = 1; air =1):*  
*Viscosity:*  
*Solubility:*  
    *Water:*  
    *Acid:*  
    *Other:*  
*Partition Coefficient (n-octanol / water):*  
*Coefficient of Water / Oil:*  
*Melting Point:*  
*Decomposition Temperature:*  
*Boiling Point:*

**Vapor Pressure:**

**Vapor Density (air = 1):**

**Evaporation Rate (water = 1):**

**Volatile Organic Compounds Content:**

**Flammable Properties:**

**Flash Point:** Not Applicable

**Method:** Not applicable

**Flammability Limits:**

**Lower Explosion Limits:**

**Upper Explosion Limits:**

**Autoignition Temperature:**

**Explosive Properties:**

Not classified according to GHS criteria.

**Oxidizing Properties:**

**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

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## 10. STABILITY / REACTIVITY

**Chemical Stability:**

**Mechanical Impact:**

**Static Discharge:**

**Reactivity / Incompatibility:**

**Hazardous Decomposition:**

**Conditions to Avoid:**

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## 11. TOXICOLOGICAL INFORMATION

**Toxicokinetics, Metabolism and Distribution:**

**Toxicologically Synergistic Products:**

**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:**

**Medical Conditions Aggravated:**

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## 12. ECOLOGICAL INFORMATION

**Product Ecological Information:**

**Ingredient Ecological Information:**

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## 13. DISPOSAL CONSIDERATIONS

**EPA Waste ID Number:**

**Special Instructions (Disposal):**

**Empty Containers:**

**NOTICE (Disposal):**

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**14. TRANSPORT INFORMATION**

**D.O.T.:**

**D.O.T. Proper Shipping Name:**

**DOT Hazard Class:**

**DOT Subsidiary Risk:**

**DOT ID Number:**

**DOT Packing Group:**

**T.D.G.:**

**T.D.G. Proper Shipping Name:**

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

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

**PIN:**

**Group:**

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

**I.C.A.O. Proper Shipping Name:**

**ICAO Hazard Class:**

**ICAO Subsidiary Risk:**

**ICAO ID Number:**

**ICAO Packing Group:**

**I.M.O.:**

**I.M.O. Proper Shipping Name:**

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

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

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

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

**Marine Pollutant:**

**Additional Information:**

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**15. REGULATORY INFORMATION**

**U.S. Federal Regulations:**

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

**E.P.A.:**

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

**S.A.R.A. Title III Section 313 (40 CFR 372):**

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

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

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

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

**RCRA:**

**State Regulations:**

**California Prop. 65:**

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

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

**Trade Secret Registry:**

**National Inventories:**

**U.S. Inventory Status:**

**TSCA CAS Number:** Not applicable

**Canadian Inventory Status:**

**EEC Inventory Status:**

**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:**

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

**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:** 01

**Month:** October

**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.

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