

The following list contains the Material Safety Data Sheets you requested. Please scroll down to view the requested MSDS(s).

<u>Product</u>	<u>MSDS</u>	<u>Distributor</u>	<u>Format</u>	<u>Language</u>	<u>Quantity</u>
2507500	N/A	Hach Company	ROWGHS	English	1

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Total Enclosures: 1

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

MSDS No: M03217

# SAFETY DATA SHEET

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** MONOCHLORAMINE/FREE AMMONIA  
**Catalog Number:** 2507500

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:** M03217  
**Chemical Name:** Not Applicable  
**CAS Number:** Not applicable  
**Additional CAS No. (for hydrated forms):** Not applicable  
**Chemical Formula:** Not Applicable  
**Chemical Family:** Not applicable  
**Intended Use:** Standard, Instrument Verification

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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  
**Silicone Rubber**

**CAS Number:** Not applicable  
**Chemical Formula:** Not applicable  
**GHS Classification:** Not hazardous per GHS classification criteria  
**Percent Range (Trade Secret):** 90.0 - 100.0  
**Percent Range Units:** weight / weight  
**PEL:** Not established

*TLV:* Not established

*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):* < 10.0

*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.

This product is a manufactured article as defined in 29 CFR 1910.1200.

*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:* 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:*

Not applicable

*Containment Technique:* Not applicable

*Clean-up Technique:* Not applicable

*Evacuation Procedure:* Not applicable

*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 screw cap closure containing: Pink gel

**Physical State:** Sealed can, canister or tube

**Molecular Weight:** Not applicable

**Odor:** None

**Odor Threshold:** Odorless

**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 available

**Solubility:**

**Water:** Insoluble

**Acid:** Not applicable

**Other:** Not applicable

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

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

**Melting Point:** Not determined

**Decomposition Temperature:** Not available

**Boiling Point:** Not available

**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 available

**Method:** Not applicable

**Flammability Limits:**

**Lower Explosion Limits:** Not applicable

**Upper Explosion Limits:** Not applicable

**Autoignition Temperature:** Not applicable

**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:** Exposure to direct sunlight. 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:** No Effects Anticipated

**Inhalation:** No effects anticipated

**Skin Absorption:** No effects anticipated

**Chronic Effects:** Not applicable

**Medical Conditions Aggravated:** Not applicable

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## 12. ECOLOGICAL INFORMATION

**Product Ecological Information:** Not applicable

**Ingredient Ecological Information:** Not applicable

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## 13. DISPOSAL CONSIDERATIONS

**EPA Waste ID Number:** Not applicable

**Special Instructions (Disposal):** Check with local municipal and state authorities and waste contractors for pertinent local information regarding the proper disposal of chemicals.

**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 applicable

**Hazard Class:** Not applicable

**Subsidiary Risk:** Not applicable

**ID Number:** Not applicable

**Packing Group:** Not applicable

**T.D.G.:**

**Proper Shipping Name:** Not Currently Regulated

**Hazard Class:** Not applicable

**Subsidiary Risk:** Not applicable

**UN Number/PIN:** Not applicable

**Packing Group:** Not applicable

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

**I.C.A.O. Proper Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**Subsidiary Risk:** Not applicable

**ID Number:** Not applicable

**Packing Group:** Not applicable

**I.M.O.:**

**Proper Shipping Name:** Not applicable

**Hazard Class:** Not applicable

**Subsidiary Risk:** Not applicable

**ID Number:** Not applicable

**Packing Group:** Not applicable

**Additional Information:** Not applicable

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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):** 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:** Article exemption. All ingredients within are listed on EINECS/ELINCS.

**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).

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

**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:** 18

**Month:** June

**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.

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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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