



a xylem brand

Safety Data Sheet
According to the (US) Hazard Communication Standard (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Table with 3 columns: Property, Value 1, Value 2. Includes Product Name (AMCO Clear® Turbidity Standard, 100 NTU), Catalog Number (YSI 607300 (6073G)), Product Description (Reagent for determination of turbidity of liquids), Supplier (YSI, a Xylem brand), and Manufacturer (GFS Chemicals, Inc.).

SECTION 2: HAZARDS IDENTIFICATION

Table with 2 columns: Hazard Category, Classification. Includes Physical Hazards (Not classified), Health Hazards (Not classified), Environmental Hazards (Not classified), OSHA Defined Hazards (Not classified), Label Elements (Hazard symbol: None, Signal word: None, Hazard statement: Not available), and Supplemental Information (None).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Table with 3 columns: Name, CAS #, Approximate %. Includes Water (7732-18-5, 90-100%), Styrene Divinylbenzene Copolymer Beads (9003-70-7, <0.1%), and Other components below reportable levels (Not found, <0.1%).

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

Table with 2 columns: Measure, Description. Includes General First Aid Measures (Never give anything by mouth to an unconscious person), If Inhaled (Remove person to fresh air), and In Case of Skin Contact (Dry skin with paper towel).

In Case of Eye Contact

Immediately flush eyes with plenty of water. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops.

If Swallowed

Rinse mouth. Do NOT induce vomiting. Get medical attention if you feel unwell.

Most Important Symptoms/Effects Acute and Delayed

Not available

Indication of Immediate Medical Attention and Special Treatment Needed

Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES**Extinguishing Media****Suitable Extinguishing Media**

Water fog. Foam. Dry powder. Carbon dioxide

Unsuitable Extinguishing Media

Not available

Special Hazards Arising from the Chemical

Not available

Special Protective Actions for Fire-Fighters

Wear self-contained breathing apparatus and protective clothing. Keep exposed containers cool with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures****Personal Precautions**

No special precautions

Environmental Precautions

No special environmental precautions required

Methods and Materials for Containment

Containment of this material should not be necessary. This product is miscible in water. Flush with water. Never return spills in original container for re-use. For waste disposal, see section 13 of the SDS.

SECTION 7: HANDLING AND STORAGE**Precautions for Safe Handling**

No special precautions

Conditions for Safe Storage Including any Incompatibilities

Do not allow material to freeze

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

No exposure limits noted for ingredient(s).

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual Protection Measures**Eye/Face Protection**

Not normally needed

Skin Protection**Hand protection**

Not normally needed

Other

Normal work clothing (long sleeved shirts and long pants) is recommended

Respiratory Protection

No personal respiratory protective equipment normally required

Thermal Hazards

Not available

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Cloudy

Physical State

Liquid

Form

Aqueous solution

| | |
|--|----------------------------------|
| Color | Colorless to white |
| Odor | Odorless |
| Odor Threshold | Not available |
| pH | 6.7 |
| Melting Point/Freezing Point | 32°F (0°C) estimated |
| Initial Boiling Point and Boiling Range | 212°F (100°C) estimated |
| Flash Point | Not available |
| Evaporation Rate | Not available |
| Flammability (Solid, Gas) | Not available |
| Upper/Lower Flammability/Explosive Limits | Not available |
| Vapor Pressure | 0.00001 hPa estimated |
| Vapor Density | Not available |
| Relative Density | Not available |
| Solubility (water) | Completely miscible |
| Partition Coefficient (n-octanol/water) | Not available |
| Auto-Ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | Not available |
| Other Information | |
| Density | 1.00 g/cm ³ estimated |
| Percent volatile | > 99.9% |
| Specific gravity | 1.00 estimated |

SECTION 10: STABILITY AND REACTIVITY

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|---|---|
| Reactivity | Not available |
| Chemical Stability | Stable under ordinary conditions of use and storage |
| Possibility of Hazardous Reactions | Hazardous polymerization does not occur |
| Conditions to Avoid | Do not freeze |
| Incompatible Materials | None known |
| Hazardous Decomposition Products | No hazardous decomposition products are known |

SECTION 11: TOXICOLOGICAL INFORMATION

| Acute Toxicity | Acute | |
|-----------------------|----------------|---------------------|
| Product | Species | Test Results |
| LD50 dermal | Rabbit | 99999 mg/kg |
| LD50 oral | Bird | 99999 mg/kg |
| LD50 oral | Mouse | 99999 mg/kg |
| LD50 oral | Rat | 99999 mg/kg |
| TD oral | Rat | 99999 mg/kg |
| TDL0 | Rat | 99999 mg/kg |

| | |
|--|--|
| Skin Corrosion/Irritation | Due to lack of data the classification is not possible |
| Serious Eye Damage/Irritation | Due to lack of data the classification is not possible |
| Respiratory or Skin Sensitization | Due to lack of data the classification is not possible |
| Germ Cell Mutagenicity | Due to lack of data the classification is not possible |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA |
| Reproductive Toxicity | Due to lack of data the classification is not possible |
| Specific Target Organ Toxicity (Single Single Exposure) | Due to lack of data the classification is not possible |
| Specific Target Organ Toxicity (Repeated Exposure) | Due to lack of data the classification is not possible |

| | |
|--------------------------|--|
| Aspiration Hazard | Due to lack of data the classification is not possible |
| Chronic Effects | Prolonged inhalation may be harmful |
| Other Information | This product has no known adverse effect on human health |

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Contains a substance which causes risk of hazardous effects to the environment. Not Applicable.

| Product | Species | Test Results |
|--------------------------|---------|-----------------------------------|
| EC50 aquatic – Crustacea | Daphnia | 37000 mg/l, 48 hrs estimated |
| LC50 aquatic – Fish | Fish | 22840.0156 mg/l, 96 hrs estimated |

| | |
|--------------------------------------|---|
| Persistence and Degradability | No data is available on the degradability of this product |
| Bioaccumulative Potential | Not available |
| Mobility in Soil | Not available |
| Other Adverse Effects | Not available |

SECTION 13: DISPOSAL CONSIDERATIONS

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|--|---|
| Disposal Recommendations | Wash to drains with lots of water. Dispose in accordance with all applicable regulations |
| Hazardous Waste Code | Not regulated |
| Waste from residues/unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal Recommendations) |
| Contaminated Packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal |

SECTION 14: TRANSPORT INFORMATION

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|---|--|
| DOT | Not regulated as dangerous goods |
| IATA | Not regulated as dangerous goods |
| IMDG | Not regulated as dangerous goods |
| Transport in Bulk according to Annex II of Marpol 73/78 and the IBC Code | This substance/mixture is not intended to be transported in bulk |

SECTION 15: REGULATORY INFORMATION

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|--|--|
| US Federal Regulations | All components are on the U.S. EPA TSCA Inventory List |
| TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) | Not regulated |
| CERCLA Hazardous Substance List (40 CFR 302.4) | Not listed |
| SARA 304 Emergency Release Notification | Not regulated |
| Superfund Amendments and Reauthorization Act of 1986 (SARA) | |
| Hazard categories | Immediate hazard – No Delayed hazard – No Fire hazard – No Pressure hazard – No Reactivity hazard – No |
| SARA 302 Extremely Hazardous Substance | Not listed |
| SARA 311/312 Hazardous Chemical | No |
| SARA 313 (TRI Reporting) | Not regulated |
| Other Federal Regulations | |
| Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List | Not regulated |
| Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.13) | Not regulated |
| Safe Drinking Water (SDWA) | Not regulated |
| US State Regulations | California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. |
| US California Controlled Substances, CA Department of Justice (California Health and Safety Code Section 11100) | |

Not listed
US Massachusetts RTK – Substance List Not regulated
US New Jersey Worker and Community Right-to-Know Act
 Not listed
US Pennsylvania Worker and Community Right-to-Know Act
 Not listed
US Rhode Island RTK Not regulated
US California Proposition 65 Not listed

International Inventories

| Country/Region | Inventory Name | On Inventory* |
|-------------------------------|--|---------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States and Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*"Yes" indicates all components of this product comply with the inventory requirements administered by the governing country(s)

**"No" indicates one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s)

SECTION 16: OTHER INFORMATION

Revision Date: 12/17/2014

Version # 01

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END OF SAFETY DATA SHEET