Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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
Telephone: 937-767-7241
Emergency: CHEMTREC
US/Can: 800-424-9300
International: 001 703-572-3997
Manufacturer: GFS Chemicals, Inc.
Telephone: 740-881-5501
Email: service@gfschemicals.com
PO Box 245, Powell, OH 43065
Fax: 740-881-5989
Emergency Contact: 1-800-424-9300 (Chemtrec)

SECTION 2: HAZARDS IDENTIFICATION

Physical Hazards: Not classified
Health Hazards: Not classified
Environmental Hazards: Not classified
OSHA Defined Hazards: Not classified (no hazards resulting from the material as supplied)
Label Elements

Hazard symbol: None
Signal word: None
Hazard statement: Not available
Precautionary statement
Prevention: Not available
Response: Not available
Storage: Not available
Disposal: Not available
Hazard(s) not otherwise classified (HNOC): None known
Supplemental Information: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>Approximate %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>90-100</td>
</tr>
<tr>
<td>Styrene Divinylbenzene Copolymer Beads</td>
<td>9003-70-7</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td>Not found</td>
<td>&lt;0.1</td>
</tr>
</tbody>
</table>

*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

General First Aid Measures: Never give anything by mouth to an unconscious person. Seek medical advice if you feel unwell.

If Inhaled: Remove person to fresh air and keep comfortable for breathing. Allow victim to rest. Call a physician if symptoms develop or persist.

In Case of Skin Contact: Dry skin with paper towel or similar. Remove contaminated clothing and wash exposed skin with mild soap and water. Rinse with warm water.
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 ended

**Skin Protection**  
Not normally needed

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

**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: Not available
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/cm³ estimated
Percent volatile: > 99.9%
Specific gravity: 1.00 estimated

SECTION 10: STABILITY AND REACTIVITY

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal</td>
<td>Rabbit</td>
<td>99999 mg/kg</td>
</tr>
<tr>
<td>LD50 oral</td>
<td>Bird</td>
<td>99999 mg/kg</td>
</tr>
<tr>
<td>LD50 oral</td>
<td>Mouse</td>
<td>99999 mg/kg</td>
</tr>
<tr>
<td>LD50 oral</td>
<td>Rat</td>
<td>99999 mg/kg</td>
</tr>
<tr>
<td>TD oral</td>
<td>Rat</td>
<td>99999 mg/kg</td>
</tr>
<tr>
<td>TDL0</td>
<td>Rat</td>
<td>99999 mg/kg</td>
</tr>
</tbody>
</table>

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 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

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>Contains a substance which causes risk of hazardous effects to the environment. Not Applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>Species</td>
</tr>
<tr>
<td>EC50 aquatic – Crustacea</td>
<td>Daphnia</td>
</tr>
<tr>
<td>LC50 aquatic – Fish</td>
<td>Fish</td>
</tr>
</tbody>
</table>

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

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

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

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)
### INTERNATIONAL INVENTORIES

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

*“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)