



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, Signal word, Hazard statement, etc.), 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

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

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 CRF 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

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