To Our Customers:

The attached Safety Data Sheet (SDS) was prepared by the vendor of the product you purchased through one of our divisions. We used the manufacturer's electronic document directly or scanned a paper copy and generated a file for our automated SDS delivery system.

All statements, technical information, and recommendations contained therein are solely that of the manufacturer of the product. We at Zep Inc. did not verify the accuracy and completeness of the statements and do not warrantee or guarantee the information. We provide vendor SDSs to assist our customers in their compliance efforts. The attached document is in compliance with one of the respective country regulatory requirements noted below:

The OSHA Hazard Communication Standard (in the United States)
The Hazardous Products Regulations (in Canada)

We made every effort to deliver all of the information prepared by the manufacturer. We cannot anticipate all conditions under which this information will be used. If you have any questions about the statements on the SDS, please contact the company shown on the document.

Zep Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of this product, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the manufacturer's product label and Safety Data Sheet.

Sincerely,

Product Stewardship Team
Zep Inc.

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

1.1 Product Identifier AQ-TY-0001-02
Trade Name Bountiful™

1.2 Product Use Agricultural
Identified Use Adjuvant
Product form Mixture

1.3 Manufacturer/Supplier

Company Aqueus LLC

Address 1132 E. Big Beaver Road Troy, MI 48083

Telephone (248) 218-0347

Email hello@aqueus.co

1.4 Emergency Telephone Number 248-218-0347

SECTION 2: HAZARDS IDENTIFICATION

2.1 GHS Classifications and Regulation (EC) No. 1272/2008 (CLP): Not classified

2.2 Label Elements

Not classified as a hazardous chemical.
Other hazards not contributing to the classification : None.

2.2.1 Label Elements according GHS Classifications and Regulation (EC)

No. 1272/2008 (CLP)
Hazard Pictogram(s) **None**
Signal Word None
Hazard Statement None
Precautionary Statements None

2.2.2 Label Elements
Hazard Symbol None
Risk Phrases R36/37 Irritating to eyes and skin
Safety Phrases S36/37/39 Wear suitable protective clothing, gloves, and eye/face protection

2.3 Other Hazards
OSHA : Non-hazardous under OSHA Hazard Communication Standard

HMIS
Health: 1
Flammability: 0
Reactivity: 0
Personal Protection: A

HEALTH	**1**
FLAMMABILITY	0
REACTIVITY	**0**
PERSONAL PROTECTION	**A**

WHMIS (Canada): None

2.4 Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures

Chemical Identity	CAS No.	%W/W	GHS-US classification
Water	**7732-18-5**	**99.7%**	**Not classified**
Sulfuric Acid	**7664-93-9**	**0.15-0.3%**	**Skin corr 1A, H314 Eye Dam 1,H318**

Full text of hazard classes and H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Inhalation: Remove to fresh air if irritation occurs. If symptoms develop, obtain medical attention.

Skin Contact: Exposure to skin normally does not cause irritation or redness. No toxicity associated with the product being absorbed through skin. Wash exposed areas with water. In the unlikely event of irritation, seek medical advice.

Eye Contact: This product may cause irritation to the eyes after direct contact with concentrate. Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if pain or redness persists

Ingestion: Ingesting large volumes may cause minor gastrointestinal distress due to separation of grease and oil in the digestive tract. Rinse mouth and Drink water to assist in digestion if swallowed. Obtain medical attention

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Acute: Ingestion will cause minor distress to the gastrointestinal tract. May cause chemical and mechanical eye irritation with direct contact.

Delayed and Chronic Effects: Expected to be similar to acute exposures.

4.3 Indication of the Immediate Medical Attention and Special Treatment Needed: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Not flammable or combustible by OSHA/WHMIS criteria. Not sensitive to mechanical impact and static discharge.

Flash Point	Explosive Limits	Temperatures
> 220° C (428° F)	NA Auto-Ignition	NA

5.1 Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate to surrounding fire conditions.

Unsuitable Extinguishing Media: None known

5.2 Special Hazards Arising from the Substance or Mixture: Containers may rupture from exposure to high temperatures, releasing contents that may be slippery.

5.3 Advice for Firefighters: Suitable protective clothing should be worn in fire conditions. Extinguish preferably with dry chemical, foam or water spray.

5.4 Hazardous Combustion Products: Sulfur compounds
NFPA 704: HEALTH HAZARD–BLUE FLAMMABILITY–RED INSTABILITY- YELLOW SPECIAL HAZARD – WHITE

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:
Protective equipment : Safety glasses . Gloves.
Emergency procedures : Evacuate unnecessary personnel.

6.2 Environmental Precautions: Try to prevent entry to sewers and public waterways. Notify appropriate authorities if liquid enters sewers or public waters

6.3 Methods and Material for Containment and Cleaning Up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Dispose of material in accordance with local regulations.

6.4 Reference to Other Sections: See Also Section 7, 8, 13

6.5 Additional Information: None

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Avoid contact with eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for Safe Storage: Store in closed containers between 35°F and 120°F
Storage conditions. : Keep container closed
Incompatible products : metals. Cyanides. Strong bases
Incompatible materials : metals such as zinc

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Occupational Exposure Limits

Sulfuric acid (7664-93-9)		
ACGIH	**ACGIH TWA (mg/m3)**	**0.2 mg/m3 (thoracic fraction)**
OSHA	**OSHA PEL (TWA) (mg/m3)**	**1 mg/m3**
IDLH	**US IDLH (mg/M3)**	**15 mg/m3**
NiOSH	**NIOSH REL (TWA) (mg/m3)**	**1 mg/m3**

8.2 Appropriate engineering controls

Engineering Controls: Emergency eyewash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation

8.3 Individual protection measures/Personal protective equipment

Respiratory Protection: Not needed in normal conditions

Eye Protection: Chemical goggles or Safety glasses

Hand Protection: Acid resistant gloves.

Skin and Body Protection: Wear acid resistant personal protective gear

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices. Do not eat, drink or smoke during use

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

	Concentrate
Appearance:	liquid
Color:	Light Amber, translucent
Odor:	Mild soapy
Odor Threshold:	Not available
pH:	1.0 – 2.5
Melting Point / Freezing Point:	NA)
Initial Boiling Point:	Not available
Boiling Point:	> 112 °C (233.6° F)
Flash Point:	> 220 °C (428° F)
Evaporation Rate:	1 (Water = 1)
Flammability (solid, gas):	Non-Flammable
Upper/Lower Flammability Limit:	Non-Flammable
Auto-ignition Temperature:	Non-Flammable
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	Not available
Solubilities:	Infinitely miscible with water
Partition Coefficient: N-octanol/Water:	Not available
Decomposition Temperature:	Not available
Percent Volatile, wt.%:	0%
Density Target:	1.001 g/mL
Density Range:	1.000 – 1.003 g/ml
VOC Content, wt.%:	0%

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No additional information available

10.2 Chemical Stability: Stable under normal conditions. Avoid temperature extremes.

10.3 Possibility of Hazardous Reactions: Not established

10.4 Conditions to Avoid: Do not freeze. Do not use above ambient temperature. Extremely high or low temperatures

10.5 Incompatible Materials: Metals. Cynides. Strong bases

10.6 Hazardous Decomposition Product(s): Sulfur compounds

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

11.1.2 Mixtures

Likely routes of exposure : Skin and eye contact
Acute toxicity : Not classified

Sulfuric acid (7664-93-9)	
LD50 oral rat	2140 mg/kg body weight (Rat, Experimental value)
ATE US (oral)	2140 mg/kg body weight

Water (7732-18-5)	
LD50 oral rat	>/= 90000 mg/kg
ATE US (oral)	90000 mg/kg body weight

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization. : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Sulfuric acid (7664-93-9)	

Additional information	Strong inorganic mists containing sulfuric acid are carcinogenic to humans
National Toxicology Program (NTP) Status	2 – Known Human carcinogens

Reproductive toxicity : Not classified
Specific target organ toxicity – single exposure : Not classified
Specific target organ toxicity – repeated. : Not classified
Aspiration hazard. : Not classified
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met

11.2 Other Information: None

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: Not established for mixture

Sulfuric acid (7664-93-9)	
LC50 Fish 1	42 mg/l (96 h, Gambusia affinis)
EC50 Daphnia	29 mg/l (24, Daphnia Magna)

12.2 Persistence and Degradability: Not established for mixture

Sulfuric acid (7664-93-9)	
Persistence and degradability	Biodegradability: not applicable
Biochemical oxygen demand	Not applicable
Chemical oxygen demand	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3 Bio-accumulative Potential: Not established for mixture

Sulfuric acid (7664-93-9)	
Log Pow	-2.2 (estimated value)
Bio-accumulative potential	Not Bio-accumulative

12.4 Mobility in Soil: Not available

12.5 Other adverse effects : No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods: Disposal should be in accordance with local, state or national legislation. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Containers must not be punctured or destroyed by burning, even when empty.

13.2 Additional Information: None

SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID) (c)(d): Not classified as dangerous for transport.

U.S. Department of Transportation (DOT) (c)(d): Not classified as dangerous for transport.

Canada Transportation of Dangerous Goods (TDG) (c)(d): Not classified as dangerous for transport.

Sea Transport (IMDG) (c)(d): Not classified as dangerous for transport.

Air Transport (ICAO/IATA) (c)(d): Not classified as dangerous for transport.

(c)– Consult with transport provider. (d) – Check relevant regulations for Special Provisions.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations and Associated Hazards for the Mixture

15.1.1 Regulations

TSCA STATUS	All components of this prodcut are listed , or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemicals(s) subject to the reporting requirments of Section 313 or Title III of the Superfund Amednments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372

Sulfuric acid	CAS-No 7664-93-9	0.15-0.30%

Sulfuric acid (7664-93-9)	
RQ (Reportable Quantity, section 304 of EPa's lists of lists)	1000lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000lb
SARA Section 311/312 Hazard Classes	Health hazard – Skin corrosion or irritation Health hazard – Serious eye damage or eye irritation

15.2 International regulations

CANADA
No additional information available

EU-Regulations
No additional information available

National regulations

Sulfuric acid (7664-93-9)
Listed on IARC (International Agency of Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program)

SECTION 16: OTHER INFORMATION

Hazard Statements and Precautionary Statements: Corrosive

Full text of H-phrases: see section 16:

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

NFPA health hazard : 1- materials that, under emergency conditions, can cause significant irritation
NFPA fire hazard : 0 - material that will burn under typical fire conditions, including intrinsically noncombustible material such as concrete stone, and sand
NFPA reactivity : 0 - material that in themselves are normally stable, even under fire conditions.

Hazard Rating
Health : 1 slight Hazard _ Irritation or minor reversible injury possible
Flammability : 0 Minimal Hazard – materials that will not burn
Physical : 0 Minimal Hazard – Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection : B
B – safety glasses, gloves

Additional Information: Replaces all previous editions.

References: RTECS, CAS Registry, EINECS/ESIS, Manufacturer Information

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Revision Summary This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet