



**Arch  
Chemicals,  
Inc.**

**SAFETY DATA SHEET**

FOR ANY EMERGENCY, 24 HOURS / 7 DAYS, CALL: 1-800-654-6911 (OUTSIDE USA: 1-423-780-2970)  
FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC®: 1-800-424-9300 (OUTSIDE USA: 1-703-527-3887)  
FOR ALL SDS QUESTIONS & REQUESTS, CALL: 1-800-511-MSDS (OUTSIDE USA: 1-423-780-2347)

**PRODUCT NAME: GLB CLEAR BLUE**

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Arch Chemicals, Inc.</b> 1200 Bluegrass Lakes Parkway Alpharetta, GA 30004	REVISION DATE:	05/26/2015
	SUPERCEDES:	03/23/2011
	MSDS Number:	000000023866
	SYNONYMS:	None
	CHEMICAL FAMILY:	Not Applicable/Mixture
	DESCRIPTION / USE	Water Clarifier
FORMULA:	None established	

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom2012).

**GHS Label element**

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom2012). Based on available data, the classification criteria are not met. Handle in accordance with good industrial hygiene and safety practice.

Precautionary statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P270 Do not eat, drink or smoke when using this product.  
**Response:**  
P314 Get medical advice/ attention if you feel unwell.  
**Storage:**  
P410 + P403 Protect from sunlight. Store in a well-ventilated place.  
P402 + P404 Store in a dry place. Store in a closed container.  
**Disposal:**  
P501 Dispose of contents/container in accordance with local regulation.



**Other hazards**

None known.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
deuterium oxide	7789-20-0	8 - 14
2-PROPEN-1-AMINIUM, N,N-DIMETHYL- N-2-PROPENYL-, C	26062-79-3	1 - 4

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**SECTION 4. FIRST AID MEASURES**

Inhalation:	IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.
Skin Contact:	IF ON SKIN: Flush skin with water for 15 minutes. Take off all contaminated clothing. Seek medical attention if irritation develops.
Eye Contact:	IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.
Ingestion:	IF SWALLOWED: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person.

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**SECTION 5. FIREFIGHTING MEASURES**

Flammability Summary (OSHA): Combustible above 93 deg. C / 200 deg. F.

Flammable Properties

Flash Point:	> 100 °C
Autoignition Temperature:	No data
Fire / Explosion Hazards:	Material may be ignited only if preheated to high temperatures, for example in a fire.
Extinguishing Media:	Not Applicable. - Choose extinguishing media suitable for surrounding materials.
Fire Fighting Instructions:	In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus. Use water to cool containers.
Hazardous Combustion Products:	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Upper Flammable / Explosive Limit, % in air:	No data



Lower Flammable / Explosive Limit, No data  
% in air:

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations: Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.

### Spill Mitigation Procedures

Air Release:

Vapors may be suppressed by the use of water fog. Contain all liquids for treatment or disposal.

Water Release:

This material is soluble in water. Notify all downstream users of possible contamination. Divert water flow around spill if possible and safe to do so.

Land Release:

Create a dike or trench to contain materials. Absorb spill with inert material (e.g., dry sand, clay, earth or commercial absorbent), then place in a chemical waste container. After removal, flush contaminated area thoroughly with water. Contain all liquids for treatment or disposal.

Additional Spill Information :

Remove all sources of ignition. Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel. Dispose of spill residues per guidelines under Section 13, Disposal Consideration.

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## SECTION 7. HANDLING AND STORAGE

Handling:

Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water. Avoid breathing mist or vapor.

Storage:

Store in a cool, dry and well ventilated place. Isolate from incompatible materials. Do not store at temperatures below: 40 Deg. F (4.4 Deg. C)

Incompatible Materials for Storage:

Refer to Section 10, "Incompatible Materials."

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation:

Additional ventilation beyond that of general exhaust is not normally required. No exposure limits exist for the constituents of this product.

### Protective Equipment for Routine Use of Product

Respiratory Protection :

Respiratory protection not normally needed.

Respirator Type :

Not normally required.

Skin Protection :

Wear impervious gloves to avoid skin contact.

Eye Protection:

Use safety glasses with side shields.



Protective Clothing Type: Impervious

**Components with workplace control parameters**

no data available

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	liquid
Form	clear
Color:	Blue
Odor:	mild amine
Molecular Weight:	No data
pH :	2 - 3
Boiling Point:	212 °F (100 °C )
Melting point/freezing point	Not applicable
Density:	No data
Vapor Pressure:	No data
Vapor Density:	No data
Viscosity:	No data
Fat Solubility:	No data
Solubility in Water:	Soluble
Partition coefficient n-octanol/water:	No data
Evaporation Rate:	LONZA-Z09.00400000 1.0
Oxidizing:	No data
Volatiles, % by vol.:	No data
VOC Content	No data
HAP Content	No data

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## SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity Summary:	Stable under normal conditions. Product will not undergo hazardous polymerization.
Conditions to Avoid:	Sparks, open flame, other ignition sources, and elevated temperatures., Avoid freezing.
Chemical Incompatibility:	Strong oxidizing agents, Strong bases
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide, Oxides of nitrogen, Hydrogen chloride
Decomposition Temperature:	No data

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## SECTION 11. TOXICOLOGICAL INFORMATION

Component Animal Toxicology

Oral LD50 value:

2-PROPEN-1-AMINIUM, N,N- LD50 > 5,000 mg/kg Rat

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GLB CLEAR BLUE

REVISION DATE : 05/26/2015

Page 4 of 8



DIMETHYL-N-2-  
PROPENYL-, C

Component Animal Toxicology

Dermal LD50 value:

2-PROPEN-1-                      LD50 > 20,000 mg/kg    Rabbit  
AMINIUM, N,N-  
DIMETHYL-N-2-  
PROPENYL-, C

Component Animal Toxicology

Inhalation LC50 value:

2-PROPEN-1-                      No data  
AMINIUM, N,N-  
DIMETHYL-N-2-  
PROPENYL-, C

Product Animal Toxicity

Oral LD50 value:              LD50    Believed to be > 5,000 mg/kg    Rat  
Dermal LD50 value:        LD50    Believed to be > 2,000 mg/kg    Rabbit  
Inhalation LC50  
value:                              No data

Skin Irritation:                      Not expected to be irritating to the skin.  
Eye Irritation:                      Contact would be expected to cause transient redness if not washed out and left in the eye for an extended period of time.  
Skin Sensitization:                This product has not been tested. However based on similar structured materials, this product is not expected to cause allergic skin sensitization.

Acute Toxicity:                      There are no known or reported target organ effects from acute exposure.  
Subchronic / Chronic  
Toxicity:                              Not known or reported to cause subchronic or chronic toxicity.

Reproductive and  
Developmental Toxicity:            Not known or reported to cause reproductive or developmental toxicity. A similar structured product has been tested and it did not produce birth defects or affect reproduction.

Mutagenicity:                        Not known or reported to be mutagenic. A similarly structured compound was tested in a mutagenicity assay and was found to be non-mutagenic under the conditions of the test.

Carcinogenicity:                    This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

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## SECTION 12. ECOLOGICAL INFORMATION



Ecological Toxicity Values for: 2-PROPEN-1-AMINIUM, N,N-DIMETHYL-N-2-PROPENYL-, C

Bluegill sunfish	-	96 h LC50 = 0.82 - 1.3 mg/l, (40% Solution)
Rainbow trout (Salmo gairdneri),	-	96 h LC50 0.37 mg/l (40% Solution)
Daphnia magna,	-	48 h LC50= 0.9 mg/l (In clear water), (40% Solution)
Daphnia magna,	-	48 h LC50= 1.2 - 2.5 mg/l, (In 50 ppm clay suspension), (40% Solution)
Daphnia magna,	-	48 h LC50= 24.8 mg/l (In 1000 ppm clay suspension), (40% Solution)

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## SECTION 13. DISPOSAL CONSIDERATIONS

**CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.**

**Waste Disposal Summary :** If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

**Disposal Methods :** As a nonhazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations.

**Potential US EPA Waste Codes :** Not applicable

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## SECTION 14. TRANSPORT INFORMATION

**DOT**  
Not dangerous goods

**TDG**  
Not dangerous goods

**IATA**  
Not dangerous goods

**IMDG-CODE**  
Not dangerous goods



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## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### US State Regulations

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

No components are subject to the Pennsylvania Right to know act

#### New Jersey Right To Know

No components are subject to the New Jersey Right to know act

#### California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### The components of this product are reported in the following inventories:

TSCA : The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

#### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

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## SECTION 16. OTHER INFORMATION

SECTIONS REVISED: 1, 14  
Major References : Available upon request.



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**SAFETY DATA SHEET**

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT.