



Safety Data Sheet

Better Chemistry. Better Business

AQUAEASE® 2289 CONCENTRATE

Revised: 3/19/21

1 IDENTIFICATION

Product Name: AQUAEASE® 2289 CONCENTRATE

Product Code :2052112

Recommended use of the chemical and restrictions on use:

Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

Telephone: 203-756-5521

Fax number: 203-756-9017

Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Signal Word: WARNING

Hazard Category: Skin Corrosion/Irritation Hazard Category 2

Eye Damage/Irritation Hazard Category 2A

Hazard Statements: Causes skin irritation.

Causes serious eye irritation.

Prevention: Wash skin thoroughly after handling.

Wear rubber gloves, goggles and chemical protective clothing.

Response: If on skin: Wash with plenty of water.

Specific treatment - refer to poison center or doctor for advice.

If skin irritation occurs: Get Medical advice/attention.

Wash contaminated clothing before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Take off contaminated clothing and wash it before reuse.

Components with Unknown Oral = 30% Dermal = 30%

Acute Toxicity

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Diethylene Glycol Butyl Ether	-	112-34-5	~39%
Quarternary ammonium compound	-	68071-95-4	~15%
C8-C10 Alcohol Ether	-	68154-99-4	~31%
Octyldimethylamine Oxide	-	2605-78-9	~7%

4 FIRST AID

After Skin Contact:

If on skin(on hair): Take off immediately all contaminated clothing. Rinse with water/safety shower. Call doctor if irritation persists.

After Eye Contact:

If in eyes: Rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritated, call doctor.

After Ingestion:

If swallowed: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms/Effects

Eye:

Irritation of eyes and skin.

Skin:

This product can cause mild, transient skin irritation. The severity of irritation will depend on the amount of material that is applied to the skin and the speed and thoroughness that it is removed. Symptoms include redness, itching, and burning of the skin. Repeated or prolonged skin contact can produce moderate irritation(dermatitis).

Indication of immediate medical attention:

Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Keep victim under observation.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:	Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.
Specific hazards arising from the chemical:	Carbon oxides may be produced.
Special protective equipment and precautions for firefighter	Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Methods and Materials for containment & cleaning up:	Stop spill at source.
	Caution: Spilled material may be slippery.
	If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.
	Absorb the chemical onto sand, vermiculite, or any other non-combustible absorbent, and collect into containers for later disposal.

7 HANDLING AND STORAGE

- Precautions for safe handling:** Wash hands thoroughly after handling.
 Wear rubber gloves, goggles and chemical protective clothing.
 Eating, drinking and smoking in the work area is prohibited.
- Conditions for safe storage, inc any incompatibilities:** Do not allow material to freeze.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Diethylene Glycol Butyl Ether	ACGIH	10 ppm (Inhalable fraction and vapor)	-
Quarternary ammonium compound	Not established		
Octyldimethylamine Oxide	Not established		
C8-C10 Alcohol Ether	Not established		

ACGIH - American Control of Governmental Hygenists
 OSHA - Occupational Safety and Health Administration

- Protective Gloves:** Rubber gloves
- Eye Protection:** Wear chemical safety goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Yellow Liquid
- Odor:** Pleasant odor
- Odor Threshold:** N/A
- PH:** 7.1
- Melting Point/Freezing Point:** N/A
- Initial Boiling Point and Boiling Range:** N/A
- Flash Point:** None
- Evaporation Rate:** N/A
- Flammability (solid, gas):** Non flammable
- Upper/Lower flammability or explosive limits:** N/A
- Vapor Pressure:** N/A
- Vapor Density:** N/A
- Relative Density:** 1.004
- Solubility (ies):** Complete in water
- Partition Coefficient; n-octanol/water:** N/A
- Auto-ignition Temperature:** N/A
- Decomposition Temperature:** N/A
- Viscosity:** N/A

10 STABILITY AND REACTIVITY

- Reactivity:** Hazardous Polymerization will not occur.

Chemical Stability: Stable under normal conditions
Possibility of Hazardous Reactions: Hazardous polymerization does not occur.
Incompatible Materials: Avoid contact with strong oxidizers and strong acids .

11 TOXICOLOGICAL INFORMATION

Oral Administration: Diethylene Glycol Butyl Ether-LD50(rat)-3305 mg/kg
Oral Administration: C8-C10 Alcohol Ether-LD50(Rat)-2414 mg/kg
Dermal administration: Diethylene Glycol Butyl Ether, LD50 (rabbit)-2764 mg/kg
Dermal administration: C8-C10 Alcohol Ether-LD50(Rabbit)-2000 mg/kg estimated
Immediate effects: Irritation/ burns of skin and eyes.
Cancer Hazard: Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Persistence and Degradability: Will biodegrade readily
Biotic degradability: No data available
Bioaccumulation potential: Unlikely
Water result: Disperses in water.
Soil/Sediment Result: No data available

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Number:
UN Proper Shipping Name: NOT DOT REGULATED
Transport Hazard Class (es):
Packing Group:
ERG:

15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 1 Reactivity: 0

Sara Hazard Classification Diethylene Glycol Butyl Ether-SARA 313 listed (Glycol Ether)
Proposition 65 No Proposition 65 listed components in this formula
TSCA Inventory Status All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

16 OTHER INFORMATION

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.