



**BLITZ**  
Safety Data Sheet  
Revision Date: 10/4/2021

**SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**

**1.1 Product Identifier**

Trade Name BLITZ  
Product Form Mixture  
Product Code 10-10118

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of Product Acidic Presoak

**1.3 Details of the Supplier of the safety data sheet**

ChemQuest Inc.  
21365 Hamburg Ave.  
Lakeville, MN 55024  
(877)437-3478  
infocq@chemquestinc.com

**1.4 Emergency telephone number**

Emergency Number ChemTrec 1-800-424-9300

**SECTION 2: Hazards Identification**

**2.1 Classification of the substance**

**Classification**

Hazard Code	Hazard Class	Hazard Category
H302	Acute toxicity, oral	4
H314	Skin corrosion/irritation	1B
H317	Sensitization, skin	1
H332	Acute toxicity, inhalation	4
H335	Specific target organ toxicity, single exposure (Respiratory Tract Irritation)	3
H351	Carcinogenicity	2
H402	Hazardous to the aquatic environment, acute toxicity	3
H412	Hazardous to the aquatic environment, chronic toxicity	3

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFEY PRACTICES

**2.2 Label Elements**

**GHS-US Labeling**

**Hazard Pictograms (GHS-US)**



Signal Word (GHS-US): **Danger**

**Hazard Statements (GHS-US):**

H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage  
H317: May cause allergic skin reaction  
H332: Harmful if inhaled  
H335: May cause respiratory irritation  
H351: Suspected of causing cancer  
H402: Harmful to aquatic life  
H412: Harmful to aquatic life with long lasting effects

**Precautionary Statements (GHS-US):**

P201: Obtain special instructions before use

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P202: Do not handle until all safety precautions have been read and understood

P260: Do not breathe dust/fumes/gas/mist/vapors/spray

P264: Wash thoroughly after handling

P270: Do not eat, drink or smoke when using this product

P271: Use only outdoors or in a well-ventilated area

P272: Contaminated work clothing should not be allowed out of the workplace

P273: Avoid release into the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection

P310: Immediately call a POISON CENTER or doctor/physician

P321: Specific treatment (see section 4)

P363: Wash contaminated clothing before reuse

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P302+P352: IF ON SKIN: Wash with soap and water

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P308+P313: IF exposed or concerned: Get medical advice/attention

P333+P313: If skin irritation or a rash occurs: Get medical advice/attention

P403+P233: Store in a well ventilated place. Keep container tightly closed

P405: Store locked up

P501: Dispose of contents/container in accordance with local, state and federal authorities.

**2.3 Other Hazards**

No additional information available

**2.4 Unknown acute toxicity (GHS-US)**

No Data Available

**SECTION 3: Composition/Information on Ingredients**

**3.1 Substance**

Not applicable

**3.2 Mixture**

Ingredient Name	CAS #	Composition
Water	7732-18-5	50-75%
2-butoxyethanol	111-76-2	15-25%
Nonylphenol, ethoxylated	127087-87-0	10-20%
Sulfuric Acid	7664-93-9	5-10%
Sodium dodecylbenzenesulfonic acid	8536-14-7	1-5%
Phosphoric acid	7664-38-2	1-5%

**SECTION 4: First Aid Measures**

**4.1 Description of first aid measures**

First-Aid measures general

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-Aid after inhalation

IF INHALED. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Use artificial respiration and oxygen if needed. If irritation persists, seek medical attention.

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First-Aid after skin contact	IF ON SKIN. Wash with soap and water. IF ON SKIN (or hair). Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. Immediately rinse with plenty of water (for at least 15 minutes).
First-Aid after eye contact	IF IN EYES. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). If irritation persists, seek medical attention.
First-Aid after ingestion	IF SWALLOWED. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call physician immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries	Harmful if swallowed. Causes severe skin burns and eye damage. May cause allergic skin reaction. Harmful if inhaled. May cause respiratory irritation. Suspected of causing cancer.
Symptoms/injuries after inhalation	Harmful if inhaled. May cause respiratory irritation.
Symptoms/injuries after skin contact	Causes severe skin burns and eye damage. May cause allergic skin reaction.
Symptoms/injuries after eye contact	Causes severe skin burns and eye damage.
Symptoms/injuries after ingestion	Harmful if swallowed.
Chronic symptoms	No data available.

### 4.3 Indication of immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting Measures

### 5.1 Extinguishing media

Suitable Extinguishing Media Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray.

### 5.2 Special hazards arising from the substance or mixture

Fire Hazard	The product is not flammable.
Explosion Hazard	The product is not explosive.
Reactivity	Concentrated solution contact with metals will produce hydrogen gas.

### 5.3 Special hazards arising from the substance or mixture

Firefighting instructions	Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

General measures Ventilate area. Avoid breathing vapors, mist or gas. Spill should be handled by trained clean-up crews. For personal protection see Section 8.

#### 6.1.1 For non-emergency personnel

Protective equipment	Wear Protective equipment as described in Section 8.
Emergency procedures	Contain the spill. Do not let product enter drains. Remove unnecessary personnel.

#### 6.1.2 For emergency responders

Protective equipment Wear Protective equipment as described in Section 8.

### 6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3 Methods and material for containment and cleaning up

For containment	Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

### 6.4 reference to other sections

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No additional information available.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Precautions for safe handling Do not handle until all safety precautions have been read and understood. Wear proper safety equipment including chemically resistant gloves and safety glasses or goggles. Use with adequate ventilation. Wash thoroughly after handling. Do not get in eyes or on skin. Do not breathe mist or vapor. Do not swallow. Store between 50 F & 100 F. Keep separate from incompatible materials.

### 7.2 Conditions for safe storage, including and incompatibilities

Storage conditions Store locked up. Store in approved containers only. Keep container in a cool, well ventilated place away from heat sources and incompatible materials (See Section 10.5). Keep container tightly closed.

### 7.3 Specific end uses

No additional information

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

No OSHA and ACGIH PEL's or TLV's for the listed ingredients of this product unless listed stated below:

#### 2-Butoxyethanol, CAS # 111-76-2

OSHA PEL (TWA)	OSHA PEL (STEL)	OSHA PEL (Ceiling)	ACGIH-TLV
50 ppm	Not Established	Not Established	20 ppm (TWA)

#### Sulfuric acid, CAS # 7664-93-9

OSHA PEL (TWA)	OSHA PEL (STEL)	OSHA PEL (Ceiling)	ACGIH-TLV
1 mg/m3	Not Established	Not Established	0.2 mg/m3 (TWA)

#### Phosphoric acid, CAS # 7664-38-2

OSHA PEL (TWA)	OSHA PEL (STEL)	OSHA PEL (Ceiling)	ACGIH-TLV
1 mg/m3	Not Established	Not Established	1 mg/m3 (TWA), 3 mg/m3 (STEL)

### 8.2 Exposure Controls

Personal protective equipment	Protective safety glasses or goggles. Chemically resistant gloves. Protective clothing. Possibly a face shield and/or respiratory protection of the dependent type.
Hand protection	Chemical resistant gloves.
Eye protection	Use chemical resistant safety glasses or goggles. A face shield should be worn when the possibility exists for eye or face contact due to spraying liquid or airborne particles.
Skin and body protection	Wear suitable protective clothing. Long sleeves are recommended. Possibly a face shield.
Respiratory protection	If ventilation does not keep levels below regulatory exposure limits, use approved respiratory protection.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance	Tinted Liquid
Color	Amber
Odor	Lemon
Odor threshold	No data available
pH	2
Relative Evaporation rate (butyl)	No data Available
Melting point	No data Available

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Freezing point	No data Available
Boiling point	No data Available
Flash point	No Data Available
Self ignition point	No data Available
Decomposition temperature	No data Available
Flammability (solid, gas)	No data Available
Vapor pressure	No data Available
Relative vapor density at 20° C	No data Available
Relative Density	1.06 g/ml
Solubility	Water soluble
Log Pow	No data Available
Log Kow	No data Available
Viscosity: Kinematic	No data Available
Viscosity: dynamic	No data Available
Explosive properties	No data Available
Oxidizing properties	No data Available
Explosive Limits	No data Available

#### 9.2 Exposure Controls

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Contact with reactive metals (e.g. aluminum) may result in the generation of hydrogen gas.

#### 10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3 Possibility of hazardous reactions

Corrosive in contact with metals. Contact with metallic substances may release flammable hydrogen gas. Contact with strong Bases will cause excessive heat and splattering.

#### 10.4 Conditions to avoid

None known

#### 10.5 Incompatible Materials

Avoid contact with: water, bases, metals, amines, lithium, ammonia, halogens, reducers, aluminum, oxidizers, chlorides, acid clays, strong acids, strong bases, mineral acids, acid chlorides, strong reducers, stainless steel, inorganic acids, inorganic bases, strong oxidizers, organic materials, and sodium tetrahydroborate

#### 10.6 Hazardous decomposition products

Thermal decomposition can result in: smoke, toxic fumes, hydrocarbons, carbon oxides, sulfur oxides, irritating fumes, hydrogen cyanide, hydrogen sulfide, and organic compounds

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Oral LD50: 1785 mg/kg (rat) Calculated

Dermal LD50: > 2000 mg/kg (rabbit) Calculated

Inhalation LD50: 4.94 mg/l (Dust/mist) (Rat) Calculated

Skin Corrosion/Irritation Causes severe skin burns and eye damage

Serious eye damage/Irritation Causes severe skin burns and eye damage

Respiratory or skin sensitization May cause allergic skin reaction

Germ cell mutagenicity Not Classified

Carcinogenicity Suspected of causing cancer. Sulfuric Acid, CAS# 7664-93-9, IRAC Group 1, Carcinogenic to humans, 5-10% by wt.

Reproductive toxicity Not Classified

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Specific organ toxicity single exposure	Single exposure can result in damage to respiratory tract.
Specific organ toxicity repeated exposure	Not Classified
Aspiration hazard	Not Classified
Symptoms/injuries after inhalation	See Section 4
Symptoms/injuries after skin contact	See Section 4
Symptoms/injuries after eye contact	See Section 4
Symptoms/injuries after ingestion	See Section 4
Chronic symptoms	Not Classified

### SECTION 12: Ecological information

#### 12.1 Toxicity

No Data

#### 12.2 Persistence and degradability

No Data

#### 12.3 Bioaccumulative potential

No Data

#### 12.4 Mobility in soil

No Data

#### 12.5 Other adverse effect

No Data

### SECTION 13: Disposal Considerations

#### 13.1 Waste Treatment methods

Waste treatment methods Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without NPDES permit.

Waste disposal recommendations Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released to the environment.

### SECTION 14: Transportation information

#### 14.1 UN number, proper shipping name, class, and packaging groups.

##### Domestic Ground Non-Bulk Shipments

UN1760, CORROSIVE LIQUIDS, N.O.S. (SULFURIC ACID/PHOSPHORIC ACID) 8, II

#### 14.2 Additional information

Not available

### SECTION 15: Regulatory information

#### 15.1 Federal regulations

TSCA Inventory: The components of this product are listed.

SARA 311/312 Hazard category (40 CFR 370.2): Acute and chronic health hazard.

SARA 313 Toxic Release Reporting (40CFR Part 372): Sulfuric Acid, CAS# 7664-93-9, 5-10% by wt./ Nonylphenol, ethoxylated, CAS# 127087-87-0, 10-20% by wt./ 2-butoxyethanol, CAS# 111-75-2, 15-25% by wt.

SARA 302 EHS Emergency Planning (40CFR Part 355): Sulfuric Acid, CAS# 7664-93-9, RQ 1,000 lbs.

SARA 304 EHS Emergency Planning (40CFR Part 355): Sulfuric Acid, CAS# 7664-93-9, RQ 1,000 lbs.

CERCLA Section 102-103 HS Released Reporting (40 CFR part 302-102a): Phosphoric acid, CAS# 7664-38-2, RQ 5,000 lbs./ Sulfuric Acid, CAS# 7664-93-9, RQ 1,000 lbs./ 2-butoxyethanol, CAS# 111-76-2, RQ no listed value, see 50 Federal Register 13456 for RQ lbs.

#### 15.2.1 International regulations

No Data

#### 15.2.2 National regulations

No Data

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### 15.3 State Regulations

#### California Prop. 66

Approximate quantities by weight

- Ethylene glycol (ingested)/ developmental/ CAS# 107-21-1/ 0.1-1% by wt.
- Ethylene oxide/ cancer/ CAS# 75-21-8/ Trace
- Ethylene oxide / female/ CAS# 75-21-8/ Trace
- Ethylene oxide / developmental, male / CAS# 75-21-8/ Trace
- Sulfur dioxide/ developmental/ CAS# 7446-09-5/ Trace

#### New Jersey Right to Know

Approximate quantities by weight

- 2-BUTOXY ETHANOL/ CAS# 111-76-2/ 15-25% by wt.
- SULFURIC ACID/ CAS# 7664-93-9/ 5-10% by wt.
- PHOSPHORIC ACID/ CAS# 7664-38-2/ 1-5% by wt.
- ETHYLENE GLYCOL/ CAS# 107-21-1/ 0.1-1% by wt.
- ETHYLENE OXIDE/ CAS# 75-21-8/ Trace
- SULFUR DIOXIDE/ CAS# 7446-09-5/ Trace

### SECTION 16: Other Information

Other information	None
NFPA	
NFPA Health Hazard	3
NFPA Fire Hazard	1
NFPA Reactivity	1
HMIS	
Health	3
Flammability	1
Physical	1
Personal Protection	X

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