

## Section 1 ~ Identification

<b>Identity (As Used On Label and List)</b> <b>Q2078 CYCLE RENEW</b>	<b>Date Prepared:</b> 08-09-2023
<b>Company Information:</b> OMEGA INDUSTRIAL SUPPLY, INC	<b>Emergency Telephone Number:</b> 1-800-424-9300
<b>Address (Number, Street, Suite/Apt#)</b> 1133 WEST 27TH STREET	<b>Telephone Number for Information:</b> 1-800-571-7347
<b>(City, State, and Zip Code)</b> CHEYENNE, WY 82001	<b>Signature of Prepare (Optional)</b> REGULATORY DEPT.

## Section 2 ~ Hazard(s) Identification

**GHS-US Classification** Skin corrosion/irritation, Category 1B Causes severe skin burns and eye damage  
Serious eye damage/eye irritation, Category 1 Causes serious eye damage

### Label Elements

#### GHS-US Labeling

#### Hazardous Pictograms (GHS-US)



GHS05

#### Signal Word (GHS-US):

Danger

#### Contains

phosphoric acid; oxalic acid; hydrochloric acid; Varonic T 202 SR ETHOMEEN T/15

#### Hazardous Statements (GHS-US)

Causes severe skin burns and eye damage

#### Precautionary Statement (GHS-US)

Do not breathe spray, mist, vapors. Wash hands thoroughly after handling. Wear eye protection, protective gloves **If Swallowed:** rinse mouth. Do NOT induce vomiting. **If on Skin (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower. **If Inhaled:** Remove person to fresh air and keep comfortable for breathing. **If in Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. Specific treatment (see first aid section on this label, on this label). Wash contaminated clothing before reuse. Store locked up. Dispose of contents/container to an approved waste disposal plant

#### Other Hazards

No additional information available

**Unknown Acute Toxicity (GHS-US)**

Not applicable

## Section 3 ~ Composition/Information on Ingredients

**Substance:** Not applicable

### Mixture

Name	CAS No.	%(Wt.)	GHS-US Classification
Phosphoric Acid	7664-38-2	12 – 15	Skin Corr. 1B, H314
Hydrochloric Acid	7647-01-0	9 – 9.9	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
Oxalic Acid	144-62-7	2 – 4	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318
Polyethoxylated tallow amine (61791-26-2)	61791-26-2	2 – 4	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

**Full text of H-statements:** See section 16

## Section 4 ~ First Aid Measures

### 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 Measures After Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**First-Aid Measures After Skin Contact:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

**First-Aid Measures After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**First-Aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

### Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms/Injuries:** Causes severe skin burns and eye damage.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage.

**Indication of Any Immediate Medical Attention and Special Treatment Needed:** No additional information available

## Section 5 ~ Fire Fighting Measures

### Extinguishing Media

**Suitable Extinguishing Media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream.

### Special Hazards Arising from the Substance or Mixture

**Reactivity:** Corrosive vapors.

### Advice for Firefighters

**Firefighting instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

## Section 6 ~ Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

#### For Non-Emergency Personnel

**Emergency Procedures:** Evacuate unnecessary personnel.

#### For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

**Environmental Precautions:** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### Methods and Material for Containment and Cleaning Up

**Methods for Cleaning Up:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**Reference to Other Sections:** See Heading 8. Exposure controls and personal protection.

## Section 7 ~ Handling and Storage

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe vapors, spray, mist.

**Hygiene Measures:** Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

**Conditions for Safe Storage, Including any Incompatibilities**

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep only in the original container in a cool, well ventilated place away from: Heat sources. Keep container closed when not in use.

**Incompatible Products:** Strong bases. Strong acids.

**Incompatible Materials:** Sources of ignition. Direct sunlight.

## Section 8 ~ Exposure Controls/Personal Protection

**Control parameters**

**Phosphoric acid (7664-38-2)**

ACGIH Remark (ACGIH) URT, eye, & skin irr

OSHA OSHA PEL (TWA) (mg/m<sup>3</sup>) 1 mg/m<sup>3</sup>

**Oxalic acid (144-62-7)**

ACGIH ACGIH TWA (mg/m<sup>3</sup>) 1 mg/m<sup>3</sup>

ACGIH ACGIH STEL (mg/m<sup>3</sup>) 2 mg/m<sup>3</sup>

ACGIH Remark (ACGIH) URT, eye, & skin irr

OSHA OSHA PEL (TWA) (mg/m<sup>3</sup>) 1 mg/m<sup>3</sup>

**Hydrochloric acid (7647-01-0)**

ACGIH Remark (ACGIH) URT irr

OSHA OSHA PEL (Ceiling) (mg/m<sup>3</sup>) 7 mg/m<sup>3</sup>

OSHA OSHA PEL (Ceiling) (ppm) 5 ppm

**Polyethoxylated tallow amine (61791-26-2)**

Not applicable

**Personal Protective Equipment:** Safety glasses. Gloves.



**Hand Protection:** Wear protective gloves.

**Eye Protection:** Chemical goggles or face shield.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Wear appropriate mask.

**Other Information:** Do not eat, drink or smoke during use.

## Section 9 ~ Physical and Chemical Properties

**Information on Basic Physical and Chemical Properties**

**Physical State:** Liquid

**Color:** Blue

**Odor:** Mint

**Odor Threshold:** No data available

**pH:** < 2

**Melting Point:** No data available

**Freezing Point:** No data available

**Boiling Point:** No data available

**Flash Point:** No data available

**Relative Evaporation Rate (butylacetate=1):** No data available

**Flammability (solid, gas):** No data available

**Explosive Limits:** No data available

**Explosive Properties:** No data available

**Oxidizing Properties:** No data available

**Vapor Pressure:** No data available

**Relative Density:** 1.15

**Relative Vapor Density at 20 °C:** Heavier than water

**Solubility:** Water: Solubility in water of component(s) of the mixture: • phosphoric acid:

Complete • oxalic acid: 10 g/100ml • hydrochloric acid: Complete

**Log Pow:** No data available

**Auto-Ignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

**Viscosity, Kinematic:** No data available

**Viscosity, Dynamic:** No data available

**Other Information:** No additional information available

## Section 10 ~ Stability and Reactivity

**Reactivity:** Corrosive vapors.

**Chemical Stability:** Not established.

**Possibility of Hazardous Reactions:** Not established.

**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures.

**Incompatible Materials:** Strong acids. Strong bases.

**Hazardous Decomposition Products:** Carbon monoxide. Carbon dioxide. Thermal decomposition generates: Corrosive vapors.

## Section 11 ~ Toxicological Information

**Acute Toxicity:** Not classified

**Phosphoric acid (7664-38-2)**

LD50 oral rat 4400 mg/kg (Rat)

ATE US (oral) 4400.000 mg/kg bodyweight

**Oxalic acid (144-62-7)**

ATE US (oral) 500.000 mg/kg bodyweight

ATE US (dermal) 1100.000 mg/kg bodyweight

**Polyethoxylated tallow amine (61791-26-2)**

LD50 oral rat 500 mg/kg (Rat)

ATE US (oral) 500.000 mg/kg bodyweight

**Skin Corrosion/Irritation:** Causes severe skin burns and eye damage.

pH: < 2

**Serious Eye Damage/Irritation:** Causes serious eye damage.

pH: < 2

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Hydrochloric acid (7647-01-0)**

IARC group 3 - Not classifiable

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (single exposure):** Not classified

**Specific Target Organ Toxicity (repeated exposure):** Not classified

**Aspiration Hazard:** Not classified

**Potential Adverse Human Health Effects and Symptoms:** Based on available data, the classification criteria are not met.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage.

## Section 12 ~ Ecological Information

**Toxicity**

**Phosphoric acid (7664-38-2)**

LC50 fish 1 138 mg/l (LC50)


<b>Oxalic acid (144-62-7)</b>	
LC50 fish 1	34.1 mg/l (LC50; 96 h; Pimephales promelas)
EC50 Daphnia 1	137 mg/l (EC50; 48 h)
<b>Hydrochloric acid (7647-01-0)</b>	
LC50 fish 1	282 mg/l (LC50; 96 h)
EC50 Daphnia 1	< 56 mg/l (EC50; 72 h)
<b>Persistence and Degradability</b>	
<b>CYCLE RENEW</b>	
Persistence and degradability	Not established.
<b>Phosphoric acid (7664-38-2)</b>	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the components available. Not established.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
<b>Oxalic acid (144-62-7)</b>	
Persistence and degradability	Readily biodegradable in water. Readily biodegradable in water in anaerobic conditions. Photolysis in water. Biodegradable in the soil. Photolysis in the air. Not established.
Biochemical oxygen demand (BOD)	0.14 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.18 g O <sub>2</sub> /g substance
ThOD	0.18 g O <sub>2</sub> /g substance
<b>Hydrochloric acid (7647-01-0)</b>	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the components available.
<b>Polyethoxylated tallow amine (61791-26-2)</b>	
Persistence and degradability	Not readily biodegradable in water. Not established.
<b>Bioaccumulative Potential</b>	
<b>CYCLE RENEW</b>	
Bioaccumulative potential	Not established.
<b>Pphosphoric acid (7664-38-2)</b>	
Log Pow	-0.77 (Estimated value)
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.
<b>Oxalic acid (144-62-7)</b>	
Log Pow	-2.22 - -1.74 (Estimated value)
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.
<b>Hydrochloric acid (7647-01-0)</b>	
Log Pow	0.3
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>Polyethoxylated tallow amine (61791-26-2)</b>	
Bioaccumulative potential	Not established.
<b>Mobility in Soil</b>	
<b>Hydrochloric acid (7647-01-0)</b>	
Ecology – soil	May be harmful to plant growth, blooming and fruit formation.
<b>Other Adverse Effects</b>	
<b>Effect on the Global Warming:</b>	No known ecological damage caused by this product.
<b>Other Information:</b>	Avoid release to the environment.

### Section 13 ~ Disposal Considerations

**Waste Treatment Methods**  
**Waste Disposal Recommendations:** Dispose in a safe manner in accordance with local/national regulations.  
**Ecology - Waste Materials:** Avoid release to the environment.

### Section 14 ~ Transport Information

**Department of Transportation (DOT)**  
**In accordance with DOT**  
**Transport Document Description:** UN1789 Hydrochloric acid, 8, II  
**UN-No. (DOT):** UN1789  
**Proper Shipping Name (DOT):** Hydrochloric acid  
**Class (DOT):** 8 - Class 8 - Corrosive material 49 CFR 173.136  
**Hazard labels (DOT):** 8 - Corrosive  
 LTD QTY - Limited quantity



**Packing group (DOT):** II - Medium Danger  
**DOT Packaging Bulk (49 CFR 173.xxx):** 241  
**DOT Packaging Exceptions (49 CFR 173.xxx):** 154  
**DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27):** 5 L  
**DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75):** 60 L  
**DOT Vessel Stowage Location:** C - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel  
**DOT Vessel Stowage Other:** 8 - Glass carboys not permitted on passenger vessels  
**Other Information:** No supplementary information available.  
**TDG:** No additional information available

**Transport by Sea**  
**UN-No. (IMDG):** 1789  
**Proper Shipping Name (IMDG):** HYDROCHLORIC ACID  
**Class (IMDG):** 8 - Corrosive substances  
**Packing group (IMDG):** III - substances presenting low danger

**Air Transport**  
**UN-No. (IATA):** 1789  
**Proper Shipping Name (IATA):** Hydrochloric acid  
**Class (IATA):** 8 - Corrosives  
**Packing group (IATA):** III - Minor Danger

### Section 15 ~ Regulatory Information

**US Federal regulations**  
**CYCLE RENEW**  
 Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Hydrochloric acid CAS No 7647-01-0 9 - 9.9%

**Phosphoric acid (7664-38-2)**

CERCLA RQ 5000 lb

**Hydrochloric acid (7647-01-0)**

CERCLA RQ 5000 lb

SARA Section 302 Threshold Planning Quantity (TPQ) 500 lb

**International Regulations**

**CANADA:** No additional information available

**EU-Regulations:** No additional information available

**National Regulations:** No additional information available

**US State Regulations:** California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

**Phosphoric acid (7664-38-2)**

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

**Oxalic acid (144-62-7)**

U.S. - New Jersey - Right to Know Hazardous Substance List

**Hydrochloric acid (7647-01-0)**

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

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## Section 16 ~ Other Information

**Training Advice:** Normal use of this product shall imply use in accordance with the instructions on the packaging.

**Other Information:** None.

Full Text of H-statements: H302 Harmful if swallowed  
 H312 Harmful in contact with skin  
 H314 Causes severe skin burns and eye damage  
 H315 Causes skin irritation  
 H318 Causes serious eye damage  
 H335 May cause respiratory irritation  
 H400 Very toxic to aquatic life  
 H410 Very toxic to aquatic life with long lasting effects

	NFPA	HMIS	Key
HEALTH	2	2	4= Severe
FLAMMABILITY	0	0	3= Serious
REACTIVITY	1	1	2= Moderate
OTHER/PROTECTION	-	B	1= Slight 0= Minimal B= Safety glasses, Gloves

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