

## Section 1 ~ Identification

<b>Identity (As Used On Label and List)</b> <b>G3194/Q2084 LIQUID AUGER PLUS</b>	<b>Date Prepared:</b> 02-09-2019
<b>Company Information:</b> OMEGA INDUSTRIAL SUPPLY, INC	<b>Emergency Telephone Number:</b> 1-800-424-9300
<b>Address (Number, Street, Suite/Apt#)</b> 101 Grobric Ct #1	<b>Telephone Number for Information:</b> 1-800-571-7347
<b>(City, State, and Zip Code)</b> Fairfield, CA 94534	<b>Signature of Prepare (Optional)</b> REGULATORY DEPT.

## Section 2 ~ Hazard(s) Identification

### GHS-US Classification

Corrosive to metals, Category 1 May be corrosive to metals  
Skin corrosion/irritation, Category 1A Causes severe skin burns and eye damage  
Serious eye damage/eye irritation, Category 1 Causes serious eye damage  
Carcinogenicity, Category 1A May cause cancer (Dermal)

### Label Elements

#### GHS-US Labeling

#### Hazardous Pictograms (GHS-US)



GHS05



GHS08

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

**Contains:** sulfuric acid, conc>51%, aqueous solutions

#### Hazardous Statements (GHS-US)

May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious eye damage. May cause cancer (Dermal)

#### Precautionary Statement (GHS-US)

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep only in original container. Do not breathe mist, spray, vapors, fume. Wash hands, forearms and face thoroughly after handling. Wear eye protection, face protection, protective clothing, 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. If exposed or concerned: Get medical advice/attention. Specific treatment (see first aid section, on this label). Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. Store locked up. Store in corrosive resistant container with a resistant inner liner. Dispose of contents/container to an approved waste disposal plant

#### Other Hazards

Other hazards not contributing to the classification: Reacts violently with water.

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

Not applicable

## Section 3 ~ Composition/Information on Ingredients

**Substance:** Not applicable

**Mixture**

Name	CAS No.	%(Wt.)	GHS-US Classification
sulfuric acid, conc>51%, aqueous solutions	7664-93-9	96	Skin Corr. 1A, H314 Carc. 1A, H350

**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. Get medical advice/attention if you feel unwell.

**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. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.

**First-Aid Measures After Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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 Inhalation:** Corrosive to the respiratory tract. Burns. Cough. Sore throat.

**Symptoms/Injuries After Skin Contact:** Burns. Red skin.

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

**Symptoms/Injuries After Ingestion:** Burns. Abdominal pain. Shock.

**Indication of any immediate medical attention and Special Treatment Needed:** Treat symptomatically.

## Section 5 ~ Fire Fighting Measures

### Extinguishing Media

**Suitable Extinguishing Media:** Foam. Carbon dioxide. Dry powder.

**Unsuitable Extinguishing Media:** Water.

### Special Hazards Arising from the Substance or Mixture

**Fire Hazard:** No data available on direct fire hazard.

**Explosion Hazard:** No data available on direct explosion hazard.

**Reactivity:** Reacts violently with water. Reacts violently with (some) acids. Reacts violently with (some) bases: (increased) risk of fire.

### 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. Self-contained breathing apparatus.

**Other Information:** Contact with strong bases or alkaline materials may cause violent reactions or explosions. Risk of fire and explosion. Thermal decomposition yields toxic products which can be corrosive in the presence of moisture.

## Section 6 ~ Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

#### For Non-Emergency Personnel

**Protective Equipment:** Gloves. Protective goggles. Face-shield. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. Large spills/in enclosed spaces: gas-tight suit. Corrosion-proof suit.

**Emergency Procedures:** Do not get in eyes, on skin, or on clothing. Evacuate unnecessary personnel. In case of hazardous reactions: keep upwind. On contact with moisture/water: consider evacuation. Only qualified personnel equipped with suitable protective equipment may intervene. Ventilate spillage area.

#### 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**

**For Containment:** Large spills: Cautiously neutralize spilled liquid. Wash away neutralized product with plenty of water.

**Methods for Cleaning Up:** Small spills: Contain and collect spillages with non-combustible absorbent materials, e.g. Do not absorb with saw-dust or any other combustible absorbent material. Wash away neutralized product with plentiful water.

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

**Section 7 ~ Handling and Storage****Precautions for Safe Handling**

**Additional Hazards When Processed:** May be corrosive to metals.

**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 mist, spray, vapors, gas. Avoid contact during pregnancy/while nursing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**Hygiene Measures:** Wash hands thoroughly after handling.

**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. Keep container closed when not in use.

**Incompatible Products:** Oxidizing agent. Strong acids. Strong bases. Water.

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

**Packaging Materials:** Store in original container.

**Section 8 ~ Exposure Controls/Personal Protection****Control Parameters****LIQUID AUGER PLUS (7664-93-9)**

ACGIH ACGIH TWA (mg/m<sup>3</sup>) 0.2 mg/m<sup>3</sup>

ACGIH Remark (ACGIH) Pulm func

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

**sulfuric acid, conc>51%, aqueous solutions (7664-93-9)**

ACGIH Remark (ACGIH) Pulm func

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

**Exposure Controls**

**Appropriate Engineering Controls:** Ensure good ventilation of the work station.

**Personal Protective Equipment:** Gloves. Face shield. In case of splash hazard: safety glasses. Respiratory protection not required in normal conditions.



**Hand Protection:** Wear protective gloves.

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

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

**Respiratory Protection:** Respiratory protection not required in normal conditions. In case of insufficient ventilation, wear suitable respiratory equipment.

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

**Section 9 ~ Physical and Chemical Properties**

**Physical State:** Liquid

**Color:** red

**Odor:** acidic Almost odorless Sulfur

**Odor Threshold:** No data available

**pH:** No data available

**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:** No data available

**Relative Vapor Density at 20 °C:** No data available

**Solubility:** Soluble in water.

**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:** Reacts violently with water. Reacts violently with (some) acids. Reacts violently with (some) bases: (increased) risk of fire.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Risk of fire and explosion. Reacts vigorously with strong oxidizers and acids. Reacts violently with water.

**Conditions to Avoid:** Keep away from any possible contact with water, because of violent reaction and possible flash fire.

**Incompatible Materials:** Water: Strong bases. Strong acids. Combustible materials. Oxidizing agent. Acids, metals.

**Hazardous Decomposition Products:** Corrosive vapors.

**Section 11 ~ Toxicological Information**

**Acute Toxicity:** Not classified

**sulfuric acid, conc>51%, aqueous solutions (7664-93-9)**

LD50 oral rat > 2140 mg/kg (Rat)

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

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

**Respiratory or Skin Sanitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** May cause cancer (Dermal). Not classified.

**LIQUID AUGER PLUS (7664-93-9)**

IARC group 1 - Carcinogenic to humans

National Toxicology Program (NTP) Status 2 - Known Human Carcinogens

**sulfuric acid, conc>51%, aqueous solutions (7664-93-9)**

IARC group 1 - 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 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 Inhalation:** Corrosive to the respiratory tract. Burns. Cough. Sore throat.

**Symptoms/Injuries After Skin Contact:** Burns. Red skin.

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

**Symptoms/Injuries After Ingestion:** Burns. Abdominal pain. Shock.

## Section 12 ~ Ecological Information

### Toxicity

**sulfuric acid, conc>51%, aqueous solutions (7664-93-9)**

LC50 fish 1 42 mg/l (LC50; 96 h)

EC50 Daphnia 1 29 mg/l (EC50; 24 h)

### Persistence and Degradability

**LIQUID AUGER PLUS (7664-93-9)**

Persistence and degradability Biodegradability: not applicable. No (test)data on mobility of the components available.

**sulfuric acid, conc>51%, aqueous solutions (7664-93-9)**

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

Bioaccumulative potential

**LIQUID AUGER PLUS (7664-93-9)**

Bioaccumulative potential Not established.

**sulfuric acid, conc>51%, aqueous solutions (7664-93-9)**

Log Pow -2.20 (Estimated value)

Bioaccumulative potential Bioaccumulation: not applicable. Not established.

**Mobility in Soil:** No additional information available

### Other Adverse Effects

**Effect on the Global Warming:** No known ecological damage caused by this product.

**Other Information:** Avoid release to the environment.

## Section 13 ~ Disposal Considerations

### Waste Treatment Methods

**Waste Treatment Methods:** Neutralize the base with dry sodium bisulphate, add water slowly and flush the neutral solution down the drain with an excess of water. Attention: national and/or local laws and regulations may preclude the use of this method.

**Waste Disposal Recommendations:** Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to approved waste disposal site.

**Ecology - Waste Materials:** Avoid release to the environment.

## Section 14 ~ Transport Information

### Department of Transportation (DOT)

**In accordance with DOT Transport Document Description:** UN1830 Sulfuric acid, 8, II

UN-No.(DOT): UN1830

**Proper Shipping Name (DOT):** Sulfuric 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 Exceptions (49 CFR 173.136):** 154

**DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27):** 1 L

**DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75):** 30 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:** 14 - For metal drums, stowage permitted under deck on cargo vessels

**Other Information:** No supplementary information available.

### TDG

No additional information available

### Transport by Sea

UN-No. (IMDG): 1830

**Proper Shipping Name (IMDG):** SULPHURIC ACID

**Class (IMDG):** 8 - Corrosive substances

**Packing Group (IMDG):** II - substances presenting medium danger

### Air Transport

UN-No. (IATA): 1830

**Proper Shipping Name (IATA):** Sulphuric acid

**Class (IATA):** 8 - Corrosives

**Packing Group (IATA):** II - Medium Danger

## Section 15 ~ Regulatory Information

### US Federal Regulations

**LIQUID AUGER PLUS (7664-93-9)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Not subject to reporting requirements of the United States SARA Section 313

Subject to reporting requirements of United States SARA Section 313

CERCLA RQ 1000 lb

SARA Section 302 Threshold Planning Quantity (TPQ) 1000 lb

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.

sulfuric acid, conc>51%, aqueous solutions CAS No 7664-93-9 96%

**sulfuric acid, conc>51%, aqueous solutions (7664-93-9)**

CERCLA RQ 1000 lb

SARA Section 302 Threshold Planning Quantity (TPQ) 1000 lb

### International Regulations

**CANADA:** No additional information available

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

**National Regulations**

**LIQUID AUGER PLUS (7664-93-9)**

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

**sulfuric acid, conc>51%, aqueous solutions (7664-93-9)**

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

**US State Regulations**

**LIQUID AUGER PLUS (7664-93-9)**

State or local regulations U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

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

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

**sulfuric acid, conc>51%, aqueous solutions (7664-93-9)**

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

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

**Section 16 ~ Other Information**

**Other Information:** None.

Full text of H-statements:

H290 May be corrosive to metals

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H350 May cause cancer

	NFPA	HMIS	Key
HEALTH	3	3	4= Severe
FLAMMABILITY	0	0	3= Serious
REACTIVITY	1	1	2= Moderate
OTHER/PROTECTION	W	D	1= Slight
			0= Minimal
			Unusual reactivity with water. This indicates a potential hazard using water to fight a fire involving this material.
			D= When a compound is both water-reactive and an oxidizer, the W/bar symbol should go in this quadrant and the OX warning is placed immediately below the NFPA diamond.
			W= Face shield and eye protection, Gloves, Synthetic apron

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