

This brief provides a general overview of the **Safety Data Sheet** requirements in the Hazard Communication Standard OSHA's 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200).

Section 1 ~ Identification

Identity (As Used On Label and List) B4114 Liquid Auger	Date Prepared: 05-06-2015
Company Information: OMEGA INDUSTRIAL SUPPLY, INC	Emergency Telephone Number: 1-800-424-9300
Address (Number, Street, Suite/Apt#) 101 Grobric Ct #1	Telephone Number for Information: 1-800-571-7347
(City, State, and Zip Code) Fairfield, CA 94534	Signature of Prepare (Optional) REGULATORY DEPT.

Section 2 ~ Hazard(s) Identification

<i>Classification</i>	Met. Corr.	1	H290
	Skin Corr.	1A	H314
	Eye Dam.	1	H318
	Carc.	1A	H350

Full text of H-phrases: see section 16

Symbols



Signal Word: Danger

Hazard Statement

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

Precautionary Statements

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 the mist, spray, vapors, fume. Wash hands, forearms and face thoroughly after handling. Wear eye protection, face protection, protective clothing, and 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 immediately call a doctor, a POISON CENTER. 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 not contributing to the classification

Reacts violently with water.

Unknown acute toxicity (GHS-US)

Not applicable

Section 3 ~ Composition/Information on Ingredients

Components (Specific Chemical Identity, Common Name(s))	CAS No.	GHS-US classification	OSHA PEL	ACGIH TWA	%(Wt.)
Sulfuric acid, conc>51%, aqueous solutions	7664-93-9	Skin Corr. 1A, H314	1 mg/m ³	0.2 mg/m ³	96
		Carc. 1A, H350		Pulm func (remark)	

Full text of H-phrases: see section 16

Section 4 ~ First Aid Measures

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.

Skin — 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

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

Ingestion — Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed— Causes severe skin burns and eye damage. Inhalation, corrosive to the respiratory tract, burns, cough, sore throat. Skin contact, burns, red skin. Eye contact causes serious eye damage. Ingestion, burns, abdominal pain, shock.

Indication of any immediate medical attention and special treatment needed— Treat symptomatically.

Section 5 ~ Fire Fighting Measures

Suitable Extinguishing Media — Foam, carbon dioxide, dry powder.

Unsuitable Extinguishing Media — Water.

Special hazards Arising From The Substance or Mixture— Reacts violently with water. Reacts violently with (some) acids. Reacts violently with (some) bases: (increased) risk of fire.

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 — Gloves. Protective goggles. Face-shield. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus, 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 — Equip cleanup crew with proper protection. 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 — Large spills: Cautiously neutralize spilled liquid. Wash away neutralized product with plenty of water. 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 — May be corrosive to metals. 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. Wash hands thoroughly after handling.

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 — Oxidizing agent, strong acids, strong bases, water.

Incompatible Materials — Sources of ignition. Direct sunlight.

Section 8 ~ Exposure Controls/Personal Protection

Appropriate engineering controls/ventilation — Ensure good ventilation of the work station.

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

Hand Protection — Wear protective gloves.

Eye/face protection— Face shield. In case of splash hazard: Safety glasses or chemical goggles.

Skin and Body Protection — Wear suitable protective clothing.

Skin — Wear suitable protective clothing.

Section 9 ~ Physical Chemical Properties

Boiling Point	N/D	Specific Gravity	-
Relative Vapor density at 20 °C	N/D	Melting/Freezing Point	N/D
Relative Density	N/D	Relative Evaporation rate (butylacetate=1)	N/D
Solubility	Soluble in water	pH	N/D
Appearance and Odor — Liquid, colorless dark pink with acidic almost odorless sulfur.		VOC%	-
Flash Point (Method Used): N/D	Auto - Ignition Temperature: N/D	Lower Flammability Level: N/A	Upper Flammability Level: N/A

Section 10 ~ Stability and Reactivity

Stability: Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	Conditions to Avoid — Keep away from any possible contact with water, because of violent reaction and possible flash fire.	Possible Hazardous Reactions:	Risk of fire and explosion. Reacts vigorously with strong oxidizers and acids. Reacts violently with water.
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Incompatibility (Materials to Avoid) — Water, strong bases, strong acids, combustible materials, oxidizing agent, acids, metals.

Hazardous Decomposition or Byproducts — Corrosive vapors.

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

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 sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

LIQUID AUGER (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 (96 h; Gambusia affinis; Pure substance), EC50 Daphnia 1 29 mg/l (24 h; Daphnia magna; Pure substance), LC50 fish 2 49 mg/l (48 h; Lepomis macrochirus; Pure substance), TLM fish 1 42 mg/l (96 h; Gambusia affinis; Pure substance), Threshold limit other aquatic organisms 1 6900 mg/l (24 h; Pseudomonas fluorescens; Pure substance).

LIQUID AUGER (7664-93-9)

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

Log Pow:

-2.20 (Estimated value)

Bioaccumulative potential: Bioaccumulation: not applicable. Not established.

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

BOD (% of ThOD): Not applicable

Bioaccumulative potential:

Not established

Mobility in soil:

No additional information available

Other adverse effects: No known ecological damage caused by this product.

Other information: Avoid release to the environment.


Section 13 ~ Disposal Considerations

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

US Depart. of Transportation (DOT)		Water Transportation (IMDG)		Air Transportation (IATA)	
Proper Shipping Name:	Sulfuric acid	Proper Shipping Name:	Sulfuric acid	Proper Shipping Name:	Sulfuric acid
Hazard Class:	8 - Class 8 - Corrosive material 49 CFR 173.136	Hazard Class:	8 - Class 8 - Corrosive material 49 CFR 173.136	Hazard Class:	8 - Class 8 - Corrosive material 49 CFR 173.136
UN Number:	UN1830	UN Number:	UN1830	UN Number:	UN1830
Packing Group:	II - Medium Danger	Environmental Hazards Water:	II - Medium Danger	Packing Group:	II - Medium Danger
Hazmat label					

Section 15 ~ Regulatory Information

US Federal Regulations

LIQUID AUGER (7664-93-9)

TSCA (Toxic Substances Control Act) Inventory: Not listed on the United States SARA Section 313 Listed on United States SARA Section 313

RQ (Reportable quantity, section 304 of EPA's List of Lists): 1000 lb

SARA Section 302 Threshold Planning Quantity (TPQ): 1000 lb

SULFURIC ACID, CONC>51%, AQUEOUS SOLUTIONS (7664-93-9)

TSCA (Toxic Substances Control Act) Inventory: Not listed on the United States SARA Section 313 Listed on United States SARA Section 313

RQ (Reportable quantity, section 304 of EPA's List of Lists): 1000 lb

SARA Section 302 Threshold Planning Quantity (TPQ): 1000 lb

CANADA: No additional information available.

EU-Regulations: No additional information available.

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified.

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]: Not classified.

National Regulations:

LIQUID AUGER (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/Local Regulations:

LIQUID AUGER(7664-93-9)

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

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

Full Text of H-phrases;

Carc. 1A	Carcinogenicity, Category 1A
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Met. Corr. 1	Corrosive to metals, Category 1
Skin corr. 1A	Skin corrosion/irritation, Category A1
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	2	2	2= Moderate
OTHER/PROTECTION	W	-	1= Slight
			0= Minimal

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