

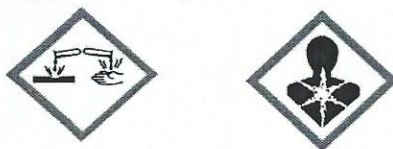
1. identification

Product Name: Lynn Peavey Marquis Reagent MSDS Number: LP MR 10143
Item number: See "Product Codes" Product Codes: 10143, 15059, 10123, 10128
Product use: Compounding other products for in-house use.
Use not recommended: Any use in which product liquid touches the body or fumes are breathed in.
Chemical Family or Formula: Acid solution.
Supplier: Lynn Peavey Company Phone: 913-888-0600
10749 W. 84th Terrace Fax: 913-495-6757
Lenexa, KS 66214 Email: lpv@peaveycorp.com
Product Information: 913-888-0600
Transportation Emergency: 800-424-9300 (U.S. and North America)
(703) 527-3887 (Outside U.S. collect calls accepted)

2. Hazards identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Corrosive to metals (Category 1), H290 May be corrosive to metals
Skin corrosion (Category 1B), H314 Causes severe skin burns and eye damage.
Skin sensitization (Category 1), H317 May cause an allergic skin reaction.
Serious eye damage (Category 1), H318 Causes serious eye damage.
Carcinogenicity (Category 2), H351 Suspected of causing cancer.
GHS Label elements, including precautionary statements.

Pictogram:



Signal word: Danger

Hazard statements:

H290 May be corrosive to metals.

H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

Precautionary statements:

P234 Keep only in original container.

P261 Avoid breathing fume/ mist/ vapors/ spray

P264 Wash skin 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 to the environment.

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

P301, P330, P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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.

P310 Immediately call a POISON CENTER or doctor/ physician.

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

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

P501 Dispose of contents/ container to an approved waste disposal plant.

3. Composition / Information on ingredients

Chemical identity: Sulfuric acid H₂SO₄ 95%
Common name: Sulfuric acid
Numbers of identity: CAS 7664-93-9 EC 231-639-5
Chemical identity: Formaldehyde 1.8%
Common name: Formaldehyde, formalin
Numbers of identity: CAS 50-00-0 EC 200-001-8
Impurities and other components: None which influence categorization.

4. First-aid measures

General advice

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention.

Never give anything by mouth to an unconscious person.

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

Consult a physician.

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Consult a physician.

IF IN EYES: Rinse continuously with water for at least 15 minutes and consult a physician.

Remove contact lenses if present and easy to do; continue rinsing.

Continue rinsing eyes during transport to hospital.

Most important symptoms will be severe pain in affected area, or considerable difficulty breathing.

5. Firefighting measures

Suitable extinguishing media : Product is not flammable.

Use equipment appropriate for the main cause of a fire.

Precautions: Special protective equipment for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Flash point: Does not flash.

Autoignition temperature: Does not ignite.

Specific hazards in case of fire: Sulfur oxide gas/ vapors formed from warm solution.

6. Accidental release measures

Personal protection:

Wear chemical goggles, body-covering protective clothing, chemical resistant gloves and rubber boots if deemed appropriate. Avoid breathing vapors. Ensure adequate ventilation. Evacuate affected area.

Environmental precautions: Keep product out of drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.

Keep in suitable, closed containers for disposal. For disposal see section 13.

7. Handling and storage

Precautions for safe handling:

NEVER add water to product as it may boil over or fume.

ALWAYS add product to water to avoid dangerous heating.

Avoid contact with eyes. Avoid skin contact and breathing mists/vapors.

Conditions for safe storage, including incompatibilities:

Keep in a cool well ventilated place. Keep away from caustics.

8. Exposure controls / personal protection

Information on the system design:

Product is intended for external use only. Stay up wind, out of any spray developed.

Exposure Limits:

Component Name (CAS)	ACGIH TWA mg/m ³	NIOSH TWA ppm
Sulfuric acid CAS 7664-93-9	0.2 mg/m ³	Not established
OSHA Table Z-1 Limits for Air Contaminants	1 mg/m ³	
Formaldehyde CAS 50-00-0	0.3 ppm	0.0016 ppm C 0.1 ppm

8. Exposure controls / personal protection (Cont'd)

Personal protective equipment

Respiratory protection: If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand protection: Rubber gloves.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Chemical resistant apron or protective suit if splashing or contact is likely.

Hygiene measures

Wash hands and face before breaks and immediately after handling the product.

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance: Colorless to slightly yellow liquid

Odor: Pungent, characteristic formaldehyde

Odor threshold: Not available

pH-value: Approx. 1.2 @ 5 gms/l

Initial boiling point: Not available

Melting point: Not available

Flash point: Does not flash.

Freezing Point: Not available

Evaporation rate: Not applicable

Flammability (solid, gas): Not applicable

Explosion limits: Not explosive

Vapor pressure: (highest partial vapor pressure) at 20°C: Not available

Vapor density: Not available

Relative density (water=1.00): 1.8 approx.

Solubility: Soluble in water.

Partition coefficient: Log Kow = Not applicable to mixture.

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Slightly more viscous than water.

10. Stability and reactivity

Chemical stability: No decomposition, if used according to specifications.

Possibility of hazardous reactions: Hydrogen may be formed by contact with metals.

Chemical stability: Stable.

Materials to avoid: Avoid contact with metals because flammable/explosive hydrogen may develop.

Avoid contact with alkalis and caustics as these react vigorously with the acid.

Hazardous decomposition products: Hydrogen formed from contact with metals.

Corrosive and dangerous fumes generated when solution is heated.

11. Toxicological information

Acute Toxicity: No information available for finished product.

Test	Sulfuric acid	Formaldehyde
Oral Toxicity LD 50 (rat)	CAS 7664-93-9	CAS 50-00-0
Dermal Toxicity LD 50 (rat)	2,140 mg/kg	108 mg/kg
Inhalation Toxicity, Vapor (rat)	No data	250 mg/kg
Eye Irritation (Rabbit)	510 mg/m3 - 2 hr	203 mg/m3 (2 hrs?)
Dermal Irritation (Rabbit)	Corrosive	24ug/24 hr rbt, severe
	Extremely corrosive	2 mg/24 hr severe (rbt)

Likely/ possible routes of exposure: Inhalation, ingestion, skin and eye contact.

H305 May be harmful if swallowed and enters airways

H315 Causes skin irritation.

H319 Causes serious eye irritation

H402 Harmful to aquatic life.

Sensitization: The product is not expected to be sensitizing.

Chronic toxicity: Prolonged skin contact may defat the skin and produce dermatitis.

Carcinogenicity: Listed by NTP, IARC, OSHA or ACGIH as a known carcinogen.

12. Ecological information

Persistence and degradability:

This product is not expected to be inherently biodegradable, but is water soluble and can dissipate.

Bio-accumulative potential: There is no evidence to suggest bioaccumulation will occur.

Ecotoxicity sulfuric acid:

Toxicity to fish: LC50 - *Gambusia affinis* (Mosquito fish) - 42 mg/l - 96 h

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment: No data.

13. Disposal considerations

Product as made has the characteristic of corrosivity and qualifies as:

" Unlisted Hazardous Waste D002", RQ 100#.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

DOT (US)

UN number: 2796 Class: 8 Packing group: II

Proper shipping name: Sulfuric acid, solution

Reportable Quantity (RQ): Not possible in one non bulk container.

Poison Inhalation Hazard: No

15. Regulatory information

Inventory Status:

All components are on TSCA, EINECS/ELINCS, AICS, and DSL.

U.S. Regulations:

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES:

Acute Health Hazard, Chronic Health Hazard

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name CAS Number

Sulfuric acid CAS 7664-93-9

Formaldehyde CAS 50-00-0

The following product components are cited on the lists below:

Chemical Name CAS Number

Sulfuric acid CAS 7664-93-9

Formaldehyde CAS 50-00-0

List Citations

RTK: MA, PA, NJ

RTK: MA, PA, NJ

California Prop. 65 chemicals: This product contains chemicals known to State of California

to cause cancer, birth defects, or other reproductive harm: Sulfuric acid, formaldehyde

16. Other information

MSDS Preparation date: April 28, 2015

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8,
Immediate	Yes	No	No	No	OSHA 29 CFR 1910.1200 and
Delayed	No	No	XXX	XXX	SARA 302/311/312/313.
HMIS Hazard ratings: Health 3 Fire 0 Instability 0 Other B (Goggles, gloves)					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					

HMIS® is a registered trade and service mark of the NPCA.

This SDS contains all the information required for classification by the Canadian CPR.

This SDS is designed for workplace employees, emergency personnel and for conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA). It is not applicable for consumer use of our products.