

Liquid Snake

MSDS Number: LS10C

Revision Date: 11/28/11

Page 1 of 5

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Distributed By: Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

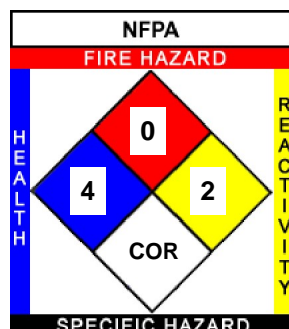
Contact: Charito Kuylen
Phone: 504-733-1152
Fax: 504-733-2218
Web: www.wechem.com

Product Name: Liquid Snake
Revision Date: 11/28/11
MSDS Number: LS10C
Product Code: LS10

2 HAZARDS IDENTIFICATION

Route of Entry: Eye, inhalation, skin absorption, ingestion
Target Organs: NA
Inhalation: Produces damaging effects on the mucous membranes and other respiratory tract. Symptoms may include irritation of the nose and throat, and labored breathing. May cause lung edema, a medical emergency.
Skin: Corrosive. Symptoms of redness, pain and severe burn can occur. Circulatory collapse with clammy skin, weak and rapid pulse, shallow respirations, and scanty urine may follow skin contact or ingestion. Circulatory shock is often the immediate cause of death.
Eye: Corrosive. Contact can cause blurred vision, redness, pain and severe tissue burn. Can cause blindness.
Ingestion: Corrosive. Swallowing can cause severe burns of the mouth, throat and stomach, leading to death. Can cause sore throat, vomiting, diarrhea. Circulatory collapse with clammy skin, weak and rapid pulse, shallow respirations, and scanty urine may follow ingestion or skin contact. Circulatory shock is often the immediate cause of death.

NFPA: Health = 4, Fire = 0, Reactivity = 2
HMIS III: H*3/F0/PH2



HMIS III		
HEALTH	<input checked="" type="checkbox"/>	3
FLAMMABILITY		0
PHYSICAL HAZARDS		2
PERSONAL PROTECTION B Goggles, Gloves		

PERSONAL PROTECTION INDEX													
A		G											
B		H											
C		I											
D		J											
E		K											
F		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions										
A		n		O		P		q		r		S	
t		u		w		y		Z		Additional Information			

Liquid Snake

MSDS Number: LS10C

Revision Date: 11/28/11

Page 2 of 5

3

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
7664939	sulfuric Acid	90-95	1mg/m3	0.2mg/m3	D

4

FIRST AID MEASURES

Inhalation:	Remove to fresh air. Resuscitate if necessary. Seek medical attention.
Skin Contact:	Wash with soap and water. If irritated seek medical attention.
Eye Contact:	Flush with water for 15 minutes. If irritated, seek medical attention.
Ingestion:	DO NOT INDUCE VOMITING. Drink two large glasses of water. Get medical attention.

5

FIRE FIGHTING MEASURES

Flammability:	ND
Flash Point:	None
Flash Point Method:	NA
Burning Rate:	ND
Autoignition Temp:	ND
LEL:	ND
UEL:	ND

Extinguishing media: Foam, dry chemical, carbon dioxide

Special Fire fighting procedures: Use self-contained breathing apparatus (SCBA) in pressure demand mode and protective clothing if needed.

Unusual Fire & Explosion Hazard: Non flammable, but may cause ignition of combustible materials. Water or foam will cause frothing which can cause violent reaction, endangering firefighters.

6

ACCIDENTAL RELEASE MEASURES

Ventilate area. Wear appropriate personal protective equipment as specified in section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e.g., vermiculite, sand, earth), and place in a chemical waste container. Do not use combustible materials such as sawdust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities.

Liquid Snake

MSDS Number: LS10C

Revision Date: 11/28/11

Page 3 of 5

7 HANDLING AND STORAGE

Handling Precautions:

Never add water to this product. If you want a diluted or weaker solution, put water in a separate container and slowly add this product. Keep container closed when not in use. Keep out of reach of children. As with any chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult section 8 of this MSDS to evaluate personal protective equipment needs. Open containers slowly to relieve any pressure. Follow all other standard industrial hygiene practices.

Storage Requirements:

Store in cool, dry area. Avoid excessive heat and below freezing temperatures.

Store in a cool, dry area. away from excessive heat, combustibles and reactive chemicals. Do not store at temperatures above 120 DEG F.
For Industrial & Institutional use only

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

It is recommended that ventilation be designed in all instances to maintain airborne concentrations at lowest practicable levels. Ventilation should, at a minimum, prevent airborne concentrations from exceeding any exposure limits. The user may wish to refer to 29 CFR 1910.1000(d)(2) and the ACGIH "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices" (Appendix C) for the determination of exposure limits of mixtures. An industrial hygienist or similar professional may be consulted to confirm that the calculated exposure limits apply.

Personal Protective Equip:

HMIS PP, B | Goggles, Gloves

Respiratory Protection: In inadequately ventilated areas, use NIOSH- approved respirator.

Protective gloves: Rubber or PVC

Eye protection: Safety glasses/ goggles and full shield recommended

Other Personal Protective Equipment: Impervious clothing and rubber boots. Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I.

Hygienic work practices: Wash with soap and water before handling food.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red to dark brown liquid

Physical State: Liquid

Particle Size: NA

Spec Grav./Density: (H2O=1): 1.83

Viscosity: NA

Sat. Vap. Concentrat. NA

Boiling Point: 580 Deg. F.

Vapor Pressure: < 0.3 mm Hg @25 Deg C

pH: < 1

Evap. Rate: < 1.0

Molecular weight: NA

Odor: Odorless to slight acid

Molecular Formula: NA

Solubility: Miscible with water, liberates much heat

Softening Point: NA

Percent Volatile: NA

Heat Value: NA

Freezing/Melting Pt.: -31 - 52 Deg F

Octanol: NA

Vapor Density: (Air=1): 3.4

VOC: NA

Bulk Density: NA

Liquid Snake

MSDS Number: LS10C

Revision Date: 11/28/11

Page 4 of 5

10 STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage. Concentrated solutions react violently with water, spattering and liberating heat
Conditions to Avoid:	Contact with heat, moisture, combustible materials, powdered metals and alkalis.
Materials to Avoid:	Water, potassium chlorate, potassium perchlorate, potassium permanganate, sodium, lithium bases, organic material, halogens, metal acetylides, oxides and hydrides, metals (yields hydrogen gas), strong oxidizing and reducing agents and many other reactive substances.
Hazardous Decomposition:	Toxic fumes of oxides of sulfur when heated to decomposition. Will react with water or steam to produce toxic and corrosive fumes. Reacts with carbonates to generate carbon dioxide, and with cyanides and sulfides to form poisonous hydrogen cyanide and hydrogen sulfide respectively.
Hazardous Polymerization:	Will not occur

11 TOXICOLOGICAL INFORMATION

Eye Effects: standard Draize, eye rabbit, 250ug (severe)
Skin Effects: No further toxicological data known
Oral Effects: Oral rat LD50: 2140 mg/kg
Inhalation Effects: Inhalation rat LC50: 510 mg/m³/2H

Carcinogenicity: Cancer status: The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.

Other: Investigated as a tumorigen, mutagen, reproductive effector.

12 ECOLOGICAL INFORMATION

Ecotoxicological Information: Fish: Bluegill/Sunfish: 49mg/L; 48Hr; TLm (tap water @ 20 Deg C)
Fish: Bluegill/Sunfish: 24.5 ppm; 48 Hr; TLm (fresh water)

Environmental Fate: When released into the soil, this material may leach into groundwater. When released into the air, this material may be removed from the atmosphere to a moderate extent by wet deposition. When released into the air, this material may be removed from the atmosphere to a moderate extent by dry deposition.

13 DISPOSAL CONSIDERATIONS

Dispose of according to local, state, or federal regulations.

Liquid Snake

MSDS Number: LS10C

Revision Date: 11/28/11

Page 5 of 5

14

TRANSPORT INFORMATION

Proper Shipping Name: Sulfuric Acid (more than 51%), 8, UN 1830, PG II

Label statement: Poison

Water Transportation: Stowage: C

Air Transportation: Passenger: 1 liter Cargo: 30 Liter

Other Agencies: Not Regulated

15

REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Sulfuric acid (7664939 90-95%) CERCLA, CSWHS, EHS302, EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA313, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean water Act Hazardous substances
EHS302 = Extremely Hazardous Substance
EPCRAWPC = EPCRA Water Priority Chemicals
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHA = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TXAIR = TX Air Contaminants with Health Effects Screening Level

16

OTHER INFORMATION

We believe the statements technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemical listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC

Monograph [c] OSHA [d] Not listed [e] Animal data only

N/A = Not available

N/D = Not determined