

## H2S Eliminator

SDS Number: G500A

Revision Date: 7/15/2020

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### PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Wechem, Inc  
5734 Susitna Dr  
Harahan, LA 70123

**Contact:** Ligia M. Hernandez  
**Phone:** 504-733-1152  
**Fax:** 504-733-2218  
**Web:** www.wechem.com

**Product Identifier:** H2S Eliminator  
**SDS Number:** G500A  
**Product Code:** G500  
**Revision Date:** 7/15/2020  
**Product Use:** Hydrogen Sulfide Eliminator

Emergency Telephone Number:  
INFOTRAC  
1-800-535-5053

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### HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

##### GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Aspiration hazard, 2  
Health, Skin corrosion/irritation, 2  
Health, Serious Eye Damage/Eye Irritation, 2 A  
Health, Acute toxicity, 4 Inhalation  
Health, Specific target organ toxicity - Single exposure, 3  
Environmental, Hazards to the aquatic environment - Chronic, 3

#### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** **WARNING**

**GHS Hazard Pictograms:**



##### GHS Hazard Statements:

H305 - May be harmful if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H412 - Harmful to aquatic life with long lasting effects

##### GHS Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P262 - Do not get in eyes, on skin, or on clothing.  
P264 - Wash thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
 P363 - Wash contaminated clothing before reuse.  
 P403 + P235 - Store in a well-ventilated place. Keep cool.  
 P405 - Store locked up.  
 P501 - Dispose of contents/container in accordance to local/regional/national/international regulations.

**Hazards not Otherwise Classified (HNOC) or not Covered by GHS**

**Route of Entry:** Inhalation, ingestion, eye, skin  
**Target Organs:** May cause damage to the following organs: gastrointestinal tract, upper respiratory tract, skin, eyes.  
**Inhalation:** May be toxic if inhaled.  
**Skin Contact:** May cause irritation to skin.  
**Eye Contact:** May cause irritation or burn to eyes.  
**Ingestion:** May be harmful if swallowed.

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**COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Ingredients: |        |   |
|-----------------------|--------|---|
| CAS#                  | %      | Chemical Name:                            |
| 4719-04-4             | 10-20% | 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol |
| 141-43-5              | <20%   | Ethanolamine                              |

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**FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.  
**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical advice/attention.  
**Eye Contact:** Immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.  
**Ingestion:** If material is swallowed, get immediate medical attention or advice. Do not induce vomiting without advice from poison control center. Call a physician immediately.

Notes to physician: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

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**FIRE FIGHTING MEASURES**

**Flammability:** Non Flammable  
**Flash Point:** None  
**Flash Point Method:** TCC  
 Extinguishing media: Water fog, foam, dry chemical, carbon dioxide.

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Unsuitable fire extinguisher: Do not use water jet.

Special fire fighting procedures: Keep upwind of fire. wear full fire fighting turn-out gear ( full Bunker gear) including NIOSH- approved self contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode. Promptly isolate the scene by removing all persons from the vicinity of the incident If there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Unusual Fire & Explosion Hazards: None

This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products: carbon dioxide and carbon monoxide

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| <b>6</b> | <b>ACCIDENTAL RELEASE MEASURES</b> |
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Personal Protective Measures: Keep unprotected personnel away. Wear appropriate personal protective equipment given in section 8.

Environmental Precautions: Not applicable

Containment and Clean up Measures: Stop spill at its source. Dike and contain. Collect leaking and spilled liquid in sealable containers. Absorb remaining liquid in sand or inert absorbent. Remove to safe place.

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| <b>7</b> | <b>HANDLING AND STORAGE</b> |
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**Handling Precautions:** Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting, and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage Requirements:** Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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| <b>8</b> | <b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b> |
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**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

**Personal Protective Equipment:** HMIS PP, B | Goggles, Gloves  
Respiratory Protection: None required under normal use conditions, unless exposure limits are exceeded.  
Protective gloves: Chemical resistant, rubber  
Eye protection: Safety glasses/ goggles

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Ethanolamine cas#:(141-43-5) [<20%]

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Components with workplace control parameters

TWA 3 ppm USA. ACGIH Threshold Limit Values (TLV)

Skin &amp; eye irritation

STEL 6 ppm USA. ACGIH Threshold Limit Values (TLV)

Skin &amp; eye irritation

TWA 3 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000  
8 mg/m<sup>3</sup>

STEL 6 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000  
15 mg/m<sup>3</sup>

TWA 3 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants  
6 mg/m<sup>3</sup>

 The value in mg/m<sup>3</sup> is approximate.

TWA 3 ppm USA. NIOSH Recommended Exposure Limits  
8 mg/m<sup>3</sup>

ST 6 ppm USA. NIOSH Recommended Exposure Limits  
15 mg/m<sup>3</sup>

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**PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear, Pale Yellow to Amber

**Physical State:** Liquid

**Spec Grav./Density:** (H<sub>2</sub>O=1): 1.1 +/- 0.1

**Vapor Pressure:** 17.5

**pH:** 9.5-11.8

**Odor:** Mild

**Solubility:** Complete in water

**Flash Point:** None

**Vapor Density:** 0.6

**VOC:** 0 %V / 0.0 g/l / 0.000 Lbs/gal

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**STABILITY AND REACTIVITY**

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

**Conditions to Avoid:** Isolate from oxidizers, heat & open flame.

**Materials to Avoid:** None Known

**Hazardous Decomposition:** Phosphorus Pentoxide, Sodium Oxide, Sodium Hydroxide, Carbon Oxides from burning.

**Hazardous Polymerization:** Will not occur.

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**TOXICOLOGICAL INFORMATION**

Ethanolamine cas#:(141-43-5) [<20%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 1,720 mg/kg

Inhalation: Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

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LD50 Dermal - rabbit - 1,015 mg/kg  
no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes - rabbit Result: Severe eye irritation

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

**Carcinogenicity:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

**Additional Information:**

RTECS: KJ5775000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.  
Liver - Irregularities - Based on Human Evidence

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**ECOLOGICAL INFORMATION**

Ethanolamine cas#:(141-43-5) [<20%]

**Information on ecological effects**

**Toxicity:**

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 227 mg/l - 96 h.

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 65 mg/l - 48 h.  
other aquatic invertebrates

Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - 15 mg/l - 72 h.

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

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Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

**13 DISPOSAL CONSIDERATIONS**

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Ethanolamine cas#:(141-43-5) [<20%]

Waste treatment methods

Product: This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

**14 TRANSPORT INFORMATION**

UN2810, Toxic, liquids, organic, n.o.s., 6.1, PGIII, ((1,3,5-Triazine-1,3,5(2H,4H,6H)-Triethanol)))

**15 REGULATORY INFORMATION**

[%] RQ (CAS#) Substance - Reg Codes

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[10-20%] 1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol (4719-04-4) TSCA

[<20%] Ethanolamine (141-43-5) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

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TSCA = Toxic Substances Control Act  
HAP = Hazardous Air Pollutants  
MASS = MA Massachusetts Hazardous Substances List  
OSHA = OSHA Workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
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. N/A = Not available N/D = Not determined