

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: Exact AGL 847
Product Use: Carbamate Based Treatment
EPA Reg. #: 1448-180-11712
Kor-Chem, Inc.
5800 Bucknell Drive
Atlanta, GA 30336

Product Identification # (PIF): 00847
Emergency Telephone #: 1-800-255-3924
General Information #: 404-344-9580
Date Prepared: March 14, 2019
Date Revised: May 10, 2021, rev. 2

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: WARNING

| Hazard Class | Category | Code | Hazard Statement |
|------------------------|----------|------|-------------------------------|
| Skin Irritation | 2 | H315 | Causes skin irritation |
| Serious Eye Irritation | 2A | H319 | Causes serious eye irritation |

Precautionary Measures:

| Category | Code | Statement |
|------------|--|--|
| Prevention | P264 P280 | Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. |
| Response | P302+P352 P321 P332+P313 P362 P305+P351+P338 | IF ON SKIN: Wash with soap and water. Specific treatments: See Section 4 First Aid Measures. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. |
| Storage | P403+P235 | Store in a well ventilated place. Keep Cool. |
| Disposal | P501 | Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations. |

Hazards not otherwise classified: Prolonged/repeated skin contact may cause skin defatting (dermatitis). Inhalation of mists/sprays may cause irritation to the respiratory tract. Prolonged inhalation may be harmful.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient | CAS # | Concentration Range % |
|-----------------------------------|----------|-----------------------|
| Potassium dimethyldithiocarbamate | 128-03-0 | 10 -25 |

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists.

Skin: Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation develops and persists, seek medical attention.

Inhalation: If symptoms develop, move victim to fresh air. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration and call a physician.

Ingestion: DO NOT INDUCE VOMITING. Call a physician immediately. Rinse mouth. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Not flammable

Flash Point: Not flammable

Extinguishing Media: Foam, dry chemical, carbon dioxide fire extinguishers, water spray. Do not spray water directly on fire. Use water spray to cool containers.

Specific hazards arising from chemical: Directing a solid stream of water into a hot burning liquid can cause frothing and spread the fire.

Hazardous combustion products: Oxide of carbon.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is not sensitive to static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area. Wash thoroughly after handling.

For Small Spills: Avoid release to the environment – collect spillage. Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

Handling: Wear personal protection equipment (Section 8). Use with adequate ventilation. Do not premix with other chemicals. Empty containers may contain residue and can be dangerous. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.

Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container closed when not in use. Protect from physical damage. Store away from strong oxidizing agents, acids, strong alkalis, disinfectants and antibacterials.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Ingredient | CAS # | OSHA/PEL | ACGIH/TLV | STEL |
|-----------------------------------|----------|----------------|----------------|----------------|
| Potassium dimethyldithiocarbamate | 128-03-0 | Not determined | Not determined | Not determined |

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles.

Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing.

Respirator: Use NIOSH approved protection if PEL is exceeded or if vapors are causing irritation.

Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------------------|----------------------------|---------------------------------|-------------------|
| Appearance | Light yellow, clear liquid | Upper/Lower flammability limits | Not determined |
| Odor | Pungent | Vapor pressure | Not determined |
| Odor threshold | Not determined | Vapor density (Air = 1) | <1 |
| pH | 13.6 | Relative Density (water = 1.0) | 1.075 g/ml |
| Melting point | Not determined | Solubility | Complete in water |
| Freezing point | Not determined | Partition coefficient | Not determined |
| Boiling point | >100°C | Auto-ignition temperature | Not determined |
| Flash point | Not determined | Decomposition temperature | Not determined |
| Evaporation rate (n-butyl acetate=1) | <1 | Viscosity | Water thin |
| Flammability | Not flammable | %Volatile/Volume | 0 |

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals.

Incompatible materials: Avoid strong oxidizing agents.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Oral (LD50 Rat): 2030 mg/kg

Dermal (LD50 Rabbit): 2990 mg/kg

Inhalation (LC50 Rat): Not available

Skin corrosion/irritation: Sensitization of the product. Not available.

Serious eye damage/irritation: Very hazardous in case of eye contact (irritant corrosive). Inflammation of the eye is characterized by redness, watering and itching.

Respiratory: Inhalation of mists/sprays may cause irritation of respiratory tract. Symptoms may include coughing and difficulty breathing.

Respiratory or skin sensitization: Not classified Germ cell mutagenicity: No data available Carcinogenicity: NTP/IARC/OSHA

Carcinogen: No Reproductive toxicity: Not available.

STOT-single exposure: Not classified STOT-repeated exposure: Not classified Aspiration hazard: Not classified.

Ingestion: Not expected to be irritating.

Likely routes of exposure: Eyes, skin

Interactive effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

48h LC-50 (fDaphnia magna): 0.34 mg/l

96h EC-50 (Rainbow trout): 0.36 mg/l

96h LC-50 (Flathead minnow): 0.06 mg/l

Persistence and degradability: Expected to be readily biodegradable.

Bioaccumulative potential: Not determined.

Mobility in soil: Soil mobility not determined. This product is soluble in water and may spread in water systems.

Other adverse effects: This product can increase the pH of an aquatic environment, and thus be toxic to fish and aquatic plants. As with all chemicals, work practices should be aimed at eliminating environmental releases.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied.

RCRA: Not applicable.

SECTION 14. TRANSPORT INFORMATION

United States DOT:

UN1719 (Caustic Alkali Liquid, N.O.S., Potassium dimethyldithiocarbamate).

Class: 8

P.G. III

IATA and IMDG:

UN1719 (Caustic Alkali Liquid, N.O.S. Potassium dimethyldithiocarbamate).

Class: 8

P.G. III

Marine Pollutant (IMDG Code): This product is toxic to fish.

Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

| | | | |
|--------------------------|-----|-----------------|-----|
| Immediate (Acute) Health | Yes | Fire Hazard | Yes |
| Delayed (Chronic) Health | No | Reactive Hazard | No |

SARA Title 313: Potassium dimethyldithiocarbamate.

CERCLA: This product does not have a reportable quantity.

Clean Air Act: This material does not contain any hazardous air pollutants.

Clean Water Act: Not listed.

United States Right-To-Know: None known.

Proposition 65: This product may contain Substance(s) which are known to the State of California to cause cancer or reproductive harm.

FIFRA: This product is a registered pesticide. EPA Reg No. 1448-180-11712.

RCRA: Not applicable.

SECTION 16. OTHER INFORMATION

Date Revised: May 10, 2021. Revised for change in raw material.

Hazard Ratings (HMIS): Health 3, Flammability 1, Reactivity 1 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

| Abbreviation | Full Name/Explanation |
|--------------|---|
| ACGIH | American Conference of Government Industrial Hygienists |
| CAS | Chemical Abstract Service |
| CERCLA | Comprehensive Environmental Response Compensation and Liability Act |
| CNS | Central Nervous System |
| CFR | Code of Federal Regulations |
| DOT | Department of Transportation |
| EC | Effective Concentration |
| HMIS | Hazardous Material Information System |
| LC | Lethal Concentration |
| LD | Lethal Dose |
| NA | Not Applicable |
| ND | Not Determined |
| NE | Not Established |
| NIOSH | National Institute for Occupational Safety and Health |
| OSHA | Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| RCRA | Resource Conservation Recovery Act |
| SARA | Superfund Amendments and Reauthorization Act |
| STEL | Short-Term Exposure Limit |
| STOT | Specific Target Organ Toxicity |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substance Control Act |
| VOC | Volatile Organic Compounds |

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.