



Safety Data Sheet

Report Date 15-Jun-22

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1. Identification

Product Name : VERIFIED VaporGrip Xtra Agent
Synonyms : None
Product Use : Volatility Reducing Agent
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : Causes skin irritation
Eye Irritation : Causes serious eye irritation
Acute Toxicity Oral : No LD50 data available
Acute Toxicity Dermal : No LD50 data available

Hazard Categories : Eye/Skin Irritation-2A/2

Hazard Statement : Causes serious eye irritation
Causes skin irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Potassium Acetate	127-08-2	50.0
Label components: Potassium Hydroxide/Ethanoic Acid 50%		

4. First Aid Measures

Eye : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.

Skin : Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician or poison control center immediately.

Inhalation : Move to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.

Ingestion : Call a physician or poison control center immediately. Rinse mouth and give water in small sips to drink. Do NOT induce vomiting unless told to do so by a physician/poison control center. Never give anything by mouth if unconscious. Stay with victim.

Indication of Immediate Medical Attention and Special Treatment Needed : Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

5. Fire Fighting Measures



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- Extinguishing Media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide extinguishing agents. Do not use high volume water jet.
- Specific Hazards Arising from the Chemical** : Minimize use of water to prevent environmental contamination. May release carbon monoxide, carbon dioxide and nitrogen oxides in the event of fire.
- Special Fire Fight Proc** : Do not breathe fumes. Wear self-contained breathing apparatus and full protective clothing. Equipment should be thoroughly decontaminated after use.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area. Avoid contact with spilled product or contaminated surfaces.
- Protective Equipment** : Splashproof goggles and face protection, chemical-resistant gloves, long-sleeved shirt, long pants, shoes, socks. Use an air purifying respirator if airborne exposure is excessive. Eyewash/emergency shower should be available in work area.
- Emergency Procedures** : Do not allow spilled product to enter soil, waterways or waste water canals. Do not allow product to contact non-target plants.
- Methods and Materials for Containment and Cleanup** : Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labeled and tightly closed container. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

7. Handling and Storage

- Precautions for Safe Handling** : Avoid contact with eyes, skin and clothing. Ensure adequate ventilation. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove PPE immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before reuse. Wash thoroughly and put on clean clothing. Keep working clothes separate. Garments that cannot be cleaned must be destroyed (burned).
- Conditions for Safe Storage** : Store in original container. Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food and feed. Store in a place accessible by authorized personnel only. Protect from freezing. Do not store near acids.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV/PEL established for the components or mixture.
- Appropriate Engineering Controls** : Provide local exhaust ventilation.
- Personal Protective Equipment** : Splashproof goggles and face protection, chemical-resistant gloves, long-sleeved shirt, long pants, shoes, socks. Use an air purifying respirator if airborne exposure is excessive. Eyewash/emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear to light yellow liquid; sour odor.
- Flash Point, °F** : Does not flash
- Boiling Point, °F** : No data available
- Melting Point(Freezing point), °C** : No data available
- Vapor Pressure, mm Hg @ 20 °C** : No significant volatility
- Vapor Density** : No data available
- Solubility in Water** : Completely miscible



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Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 1.27
Evaporation Rate(Butyl Acetate = 1) : No data available
Octanol/Water Partition Coefficient : No data available
pH : 7.5 to 8.5 (100%)
Flammable Limits (approximate volume % in air) : No data available
Auto-ignition Temperature : Not applicable
Decomposition temperature : No data available

10. Stability and Reactivity

Reactivity : Reacts with galvanized steel or unlined mild steel
Chemical Stability : Stable
Hazardous Decomposition Products : No decomposition expected under normal use conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Extremes of temperature and direct sunlight.
Incompatible Materials : Galvanized steel, mild steel. Reacts with galvanized steel or unlined mild steel to product hydrogen, a highly flammable gas that could explode.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Acute Toxicity (Dermal LD50) : No LD50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Acute Toxicity Inhalation LC50 : No LC50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Likely Routes of Exposure : Skin, eyes
Skin Irritation : Causes skin irritation.
Eye Irritation : Causes serious eye irritation.
Skin Sensitization : No information found
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : No information found
Other Hazards : CA PROPOSITION 65 WARNING: No listed ingredients appear on the CA PROPOSITION 65 WARNINGS listing.

12. Ecological Information

Ecotoxicity : No environmental studies conducted on this product.
Persistence and Degradability : No environmental studies conducted on this product.
Bioaccumulative Potential : No environmental studies conducted on this product.
Mobility in Soil : No environmental studies conducted on this product.
Other Adverse Effects : No environmental studies conducted on this product.

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.



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14. Transport Information

UN Proper Shipping Name : Not regulated by DOT (see Bulk note below), IATA or IMDG.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : Reportable Quantity (RQ) for Potassium Hydroxide = 1,000 lbs (> 6,294 gallons, approx.)
Transport in Bulk : If shipped in bulk tankers (>6294 gallons), ship as: RQ, UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Potassium Hydroxide), 9, PG III "ERG # 171"
Special Precautions for Transportation : No special precautions needed
Freight Classification : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 1 Fire: 1 Reactivity: 1
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of N
Pressure:
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 15-June-2022