



Safety Data Sheet

Report Date 11-Nov-19

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1. Identification

Product Name : TRANSACTIVE HC
Synonyms : None
Product Use : Basic Blend Spray Adjuvant
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 severe burns and eye damage
Eye Irritation : Causes serious eye damage
Acute Toxicity Oral : No LD50 data available
Acute Toxicity Dermal : No LD50 data available
Hazard Categories : Oral Toxicity-5; Eye/Skin Irritation-1/1A; Combustible Liquid-4; STOT, Repeated-2
Hazard Statement : May be harmful if swallowed
Causes severe skin burns and eye damage
Combustible liquid
May cause damage to organs through prolonged or repeated exposure

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Ammonium salts, 1,2,3-propanetriol, polyalkoxylates and alkaline buffering agents.	Proprietary	100.00

4. First Aid Measures



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- Eye** : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
- Skin** : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
- Inhalation** : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
- Ingestion** : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.
- Indication of Immediate Medical Attention and Special Treatment Needed** : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

- Extinguishing Media** : Use dry chemical, waterspray, water fog, carbon dioxide, foam or earth to extinguish fires.
- Specific Hazards Arising from the Chemical** : May emit carbon monoxide and carbon dioxide when burned.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Contain spilled product. Do not contaminate water supplies, lakes, streams, drains or sewers.
- Methods and Materials for Containment and Cleanup** : Absorb spilled liquid with an inert material, such as sand, soil or Vermiculite. Sweep and place in suitable containers for proper disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate. Do not store at temperatures below 20 Degrees F. If frozen, shake well before using.

8. Exposure Controls / Personal Protection



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TLV/PEL : No TLV or PEL established.

Appropriate Engineering Controls : Local (mechanical) exhaust is recommended.

Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Clear to slightly hazy pale yellow liquid; ammonia odor.

Flash Point, °F : 141 Degrees F.

Boiling Point, °F : Not measured

Melting Point(Freezing point), °C : Not measured

Vapor Pressure, mm Hg @ 20 °C : Not measured

Vapor Density : Not measured

Solubility in Water : Not measured

Molecular Formula : Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 1.145-1.17

Evaporation Rate(Butyl Acetate = 1) : Not measured

Octanol/Water Partition Coefficient : Not measured

pH : 8.0 to 9.0 (1%)

Flammable Limits (approximate volume % in air) : No information found

Auto-ignition Temperature : Not determined.

Decomposition temperature : Not measured

10. Stability and Reactivity

Reactivity : Not reactive

Chemical Stability : Stable

Hazardous Decomposition Products : Thermal decomposition in the presence of air produces oxides of carbon and nitrogen.

Hazardous Polymerization : Will not occur

Conditions to Avoid : Extreme heat, open flame, sources of ignition. Strong bases, strong acids and strong oxidizers.

Incompatible Materials : Strong bases, strong acids and strong oxidizers.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 data available. May be harmful if swallowed.

Acute Toxicity (Dermal LD50) : No LD50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).



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- Acute Toxicity Inhalation LC50** : >20 mg/L (vapor) and >5 mg/L (dust/mist). Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Likely Routes of Exposure** : Skin and eyes
- Skin Irritation** : Causes severe skin burns and eye damage.
- Eye Irritation** : Causes serious eye damage.
- Skin Sensitization** : Not a skin sensitizer.
- Carcinogenic** : Not listed.
- Chronic Effects** : Specific Target Organ Toxicity, Repeated Exposure: May cause damage to organs through prolonged or repeated exposure.
- Other Hazards** : Prop 65 **WARNING!**: This product can expose you to chemicals including Acetaldehyde, Oxirane, and 1,4-dioxane, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

12. Ecological Information

- Ecotoxicity** : No information found
- Persistence and Degradability** : No information found
- Bioaccumulative Potential** : No information found
- Mobility in Soil** : No information found
- Other Adverse Effects** : No information found

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.

14. Transport Information

- UN Proper Shipping Name** : Not regulated by DOT in less than bulk packages.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : No information found
- Transport in Bulk** : If shipped by ground (DOT) in single bulk package (>119 gallons), ship as: NA1993, Combustible Liquid, n.o.s., (contains Butanol), PG III "ERG #128"
- Special Precautions for Transportation** : No information available
- Freight Classification** : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)

15. Regulatory Information



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National Fire Protection :
Association Rating

Health:

2

Fire: 2

Reactivity: 0

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: Y

Reactive: N

16. Other Information

Data of Preparation/Revision : 11-November-2019