

SAFETY DATA SHEET



Date Issued : 3/17/2015
SDS No : HEXUS D

HEXUS D

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HEXUS D
CHEMICAL FAMILY: Water Conditioning Agent

DISTRIBUTOR

ALTITUDE CROP INNOVATIONS LLC
4850 Hahn's Peak Drive
Suite 200
Loveland, CO 80538

24 HR. EMERGENCY TELEPHONE NUMBERS

24-Hour Emergency Assistance Call: 1-800-222-1222
Chemical Emergency Call CHEMTREC: 1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 1C
Eye Irritation, Category 1

GHS LABEL



Corrosive

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.

PRECAUTIONARY STATEMENTS

General:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.

Prevention:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash hands, face and other affected areas thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363: Wash contaminated clothing before reuse.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

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P310: Immediately call a POISON CENTER or doctor/physician.

P321: Specific treatment see Section 4, First Aid Measures, on this SDS.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container to Local, State and Federal Regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium hydrogen sulfate	40 - 50	7681-38-1
2-hydroxy-1,2,3-tricarboxylic acid	5 - 10	77-92-9

4. FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

ADDITIONAL INFORMATION: Have the product container or label with you when calling a poison control center or doctor, or going in for treatment. For emergency medical assistance call **NPCC 1-800-222-1222** or call **CHEMTREC 1-800-424-9300**.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Toxic fumes may be emitted in a fire situation.

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water spray or fog.

HAZARDOUS COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide, water vapor and may produce oxides of carbon, nitrogen and phosphorous.

EXPLOSION HAZARDS: No specific explosion hazards are identified or expected. Always fight fire with the implication that other volatile substances may be present.

FIRE FIGHTING PROCEDURES: Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Explosive vapor could form from ruptured containers. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain material. If material is not contaminated with other materials the product may still be viable for use. Sweep up spilled material which is contaminated and place it and damaged unusable containers in a container appropriate for non hazardous chemical waste. Check local, state, and federal regulations for proper disposal.

LARGE SPILL: Contain material. If material is not contaminated with other materials the product may still be viable for use. Sweep up spilled material which is contaminated and place it and damaged unusable containers in a container appropriate for non hazardous chemical waste. Check local, state, and federal regulations for proper disposal.

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ENVIRONMENTAL PRECAUTIONS**WATER SPILL:** Do not contaminate any body of water.**LAND SPILL:** Avoid runoff onto any adjacent land.**SPECIAL PROTECTIVE EQUIPMENT:** Always wear proper protective equipment when handling this product.**7. HANDLING AND STORAGE****HANDLING:** Wash hands after handling, before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.**STORAGE:** Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source and away from children and animals. Mix well before using. Keep tightly closed. Do not contaminate water, foodstuffs, feed or seed by storage or disposal.**STORAGE TEMPERATURE:** (40 °F) Minimum to (90 °F) Maximum**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****ENGINEERING CONTROLS:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.**PERSONAL PROTECTIVE EQUIPMENT****EYES AND FACE:** Wear chemical goggles or shielded safety glasses (ANSI Z87.1 or approved equivalent) when handling and mixing product. Contact lenses should not be worn when working with chemicals.**SKIN:** Wear Chemical-resistant gloves such as Viton or barrier laminate, Coveralls over long-sleeved shirt, long pants and chemical resistant footwear plus socks. Chemical resistant headgear for overhead exposure. When exposed to product concentrate, wear a chemical resistant apron. Always refer to the label of the pesticide(s) in the tank mix and follow the most restrictive requirements.**RESPIRATORY:** Work in a well ventilated area. Avoid exposure to airborne contaminants. Wear a NIOSH/MSHA approved dust mask or filter when vapors or dust are generated above the permissible limit.**PROTECTIVE CLOTHING:** Eye protection, long sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.**OTHER USE PRECAUTIONS:** Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Wash thoroughly after handling product. Eye wash fountains and drench showers should be located within 100 feet or a 10 second walk from the work area per ANSI Z358.1-1990**9. PHYSICAL AND CHEMICAL PROPERTIES****ODOR:** Mild Ammonia**APPEARANCE:** Granule**COLOR:** Blue and Yellow**pH:** Not Established**PERCENT VOLATILE:** Not Established**FLASH POINT AND METHOD:** > 93 °C (200 °F) PMCC**AUTOIGNITION TEMPERATURE:** Not Established**VAPOR PRESSURE:** Not Established**VAPOR DENSITY:** Not Established**BOILING POINT:** Not Established**FREEZING POINT:** Not Established**MELTING POINT:** Not Established**POUR POINT:** Not Established**THERMAL DECOMPOSITION:** Not Established

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SOLUBILITY IN WATER: Soluble
EVAPORATION RATE: Not Established
DENSITY: Not Established
SPECIFIC GRAVITY: Not Established
VISCOSITY: Not Established
MOLECULAR WEIGHT: Not Established

10. STABILITY AND REACTIVITY

STABLE: Yes
HAZARDOUS POLYMERIZATION: No
POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: None known.
INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: Not Established
Notes: May be harmful in contact with skin.
ORAL LD₅₀: Not Established
Notes: May be harmful if swallowed.
INHALATION LC₅₀: Not Established
Notes: May be harmful if inhaled.
EYE EFFECTS: Causes serious eye damage.
SKIN EFFECTS: Causes severe burns and skin damage.
CARCINOGENICITY
Notes: Not listed in OSHA, NTP, IARC or ACGIH
SENSITIZATION: Not a contact sensitizer

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Ecotoxicity information is not available. This product is not for use in aquatic settings.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state, and federal regulations.

14. TRANSPORT INFORMATION

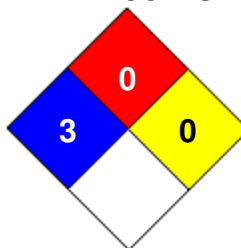
DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated by DOT
PRIMARY HAZARD CLASS/DIVISION: Not regulated by DOT
UN/NA NUMBER: None
PACKING GROUP: None
PLACARDS: None
LABEL: None

15. REGULATORY INFORMATION

UNITED STATES

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SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**311/312 HAZARD CATEGORIES:** Not Listed**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No**313 REPORTABLE INGREDIENTS:** Not Listed**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA RQ:** Not Listed**16. OTHER INFORMATION****REASON FOR ISSUE:** New SDS Format**NFPA CODES****GENERAL STATEMENTS: DISCLAIMER AND LIMITATION OF LIABILITY**

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