

I. COMPANY IDENTIFICATION

**COMPANY NAME:** WINFIELD SOLUTIONS LLC  
P.O. BOX 64589  
ST. PAUL, MN 55164-0589

**EMERGENCY PHONE NO.:** CHEMTREC 800-424-9300  
**NON-EMERGENCY:** 800-328-6539  
**DATE PREPARED:** 09/19/2007  
**SUPERSEDES:** Initial

II. PRODUCT IDENTIFICATION

**PRODUCT NAME:** DESTINY HC  
**CHEMICAL NAME:** Agricultural Adjuvant  
**CHEMICAL FORMULA:** Methylated Soybean Oil, High Fructose Corn Syrup and Sorbitan Fatty Esters and their derivation  
**CAS NUMBER:** Mixture  
**EPA REGISTRATION #:** Not applicable

III. PHYSICAL DATA

**FIRE AND EXPLOSION**

**Flash Point:** est. > 200° F  
**Autoignition Temperature:** No data  
**Extinguishing Media:** Carbon dioxide, foam, dry chemical, halogenated agents. Water spray may be used to cool containers, but a water stream may spread flames.

**PHYSICAL PROPERTIES**

**Appearance:** Amber Liquid  
**Solubility in H<sub>2</sub>O:** Dispersible  
**Boiling Point:** > 212 degree F  
**Specific Gravity(H<sub>2</sub>O = 1):** 8.56 lbs/gal.  
**Vapor Pressure (mmHg)@ 20° C:** No data  
**Vapor Density (Air = 1):** No data  
**pH:** 5 – 7  
**% Volatile by Volume:** ~1.5

**UNUSUAL FIRE, EXPLOSION, AND REACTIVITY HAZARDS:** None known.

IV. INFORMATION ON INGREDIENTS

<b><u>INGREDIENTS</u></b>	<b><u>OSHA PEL</u></b>
Agricultural adjuvant	Not listed
Methylated Soybean Oil, High Fructose Corn Syrup and Sorbitan Fatty Esters and their derivation	5 mg/m3 mist

Ingredients not precisely identified are proprietary or nonhazardous.

V. HEALTH HAZARDS

**GENERAL:** Limited toxicity data is available on this specific product. This health hazard assessment is based on the results of screening tests and information available on similar preparations.  
**INGESTION:** The acute oral LD<sub>50</sub> in rats is about 5,000 mg/kg. This material is classified as “practically nontoxic” by ingestion. In humans, severe gastrointestinal disturbance is associated with ingestion of the

hydrocarbon solvent. Ingestion of excessive quantities can also induce signs of central nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue). Small amounts of the hydrocarbon solvent, if aspirated into the lungs during ingestion or subsequent vomiting, may induce severe lung congestion resulting in labored breathing, coma, and death. **DO NOT INDUCE VOMITING.** Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

**SKIN CONTACT:** This material is mildly irritating in rabbit dermal irritation studies. Short contact periods with human skin will probably not produce irritation. Irritation can develop following repeated and/or prolonged contact with human skin. Wash the material off of the skin with plenty of soap and water. If redness, itching or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

**SKIN ABSORPTION:** Systematically toxic concentrations of this product will probably not be absorbed through human skin.

**EYE CONTACT:** This material is slightly irritating in rabbit eye irritation studies. A similar degree of irritation will probably occur after human eye contact. Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

**OTHER EFFECTS OF OVEREXPOSURE:** No other adverse clinical effects have been associated with exposures to this material.

## VI. REACTIVITY DATA

**STABILITY:** Stable under normal conditions.

**INCOMPATIBILITY:** Oxidizing agents.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION:** Combustion products: Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, phosphorous oxides.

## VII. ENVIRONMENTAL PROTECTION

**ACTION TO TAKE FOR SPILLS/LEAKS:** Wear skin, eye, and respiratory protection during cleanup. Contain spill. Keep out of sewers and drains. Soak up material with absorbent and shovel into a chemical waste container. If spilled, this material and its mixtures with water, present a slip hazard. Use extra care in cleaning up spill areas to prevent injury.

**ENVIRONMENTAL HAZARDS:** Dike to prevent entering drains, sewers or water courses.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Water spray may be ineffective on fire but can protect fire fighters and cool closed containers. Use fog nozzles if water is used. Do not enter contained fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). Use a NIOSH approved positive-pressure self-contained breathing apparatus.

**DISPOSAL METHOD:** Discarded product is not a hazardous waste UN RCRA, 40 CFR 261.

**CONTAINER DISPOSAL:** Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

**WASTE DISPOSAL METHOD:** Maximize product recovery for reuse or recycling. Conditions of use may cause this material to become a "Hazardous Waste", as defined by state or federal laws. Use approved treatment, transporters and disposal sites in compliance with all applicable laws. If spill is introduced into a waste-water treatment system, chemical and biological oxygen demand will likely increase. Spill material is biodegradable if gradually exposed to microorganisms. Potential treatment and disposal methods include land farming, incineration, and land disposal, if permitted.

## VIII. PERSONAL PROTECTION INFORMATION

TLV or suggested control value: No ACGIH TLV or OSHA PEL is assigned to this mixture. Control of exposure to below the PEL for the ingredients (see Section 2) may not be sufficient. Minimize exposure in accordance with good hygiene practice.

**PROTECTIVE CLOTHING:** Impervious gloves.

**EYE PROTECTION:** Chemical tight goggles.

**RESPIRATORY:** If needed, use MSHA/NIOSH approved respirator for organic vapors.

**VENTILATION:** Use ventilation adequate to maintain safe levels.

**OTHER PROTECTION:** Eyewash station and safety shower in work area.

**OTHER PRECAUTIONS:** Prevent skin and eye contact. Observe high OSHA PEL limitations. Avoid breathing vapors or aerosols.

**Note to physician:** Lavage is indicated for the unresponsive patient who has ingested a large dose. Hydrocarbon pneumonitis is a risk if this product is aspirated.

## IX. GENERAL PRODUCT INFORMATION

### NATIONAL FIRE PROTECTION ASSOCIATION RATING:

(RATING LEVEL: 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-MINIMUM)

HEALTH: 1

FIRE: 1

REACTIVITY: 0

### HMIS RATING:

HEALTH: 1

FIRE: 1

REACTIVITY: 0

Note: We assigned NFPA ratings and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS. This information is intended solely for the use of individuals trained in the particular hazard rating system.

**SARA REGULATIONS (40 CFR 355, 370, AND 372):** None.

**SARA 313:** No.

**SARA 302:** No.

**CERCLA:** No.

**PROPOSITION 65 (CA only):** WARNING: Contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**TSCA (Toxic Substance Control Act) REGULATIONS, 40 CFR 710:** All ingredients are on the TSCA Chemical Substance Inventory.

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