

**Safety Data Sheet**

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least			Not regulated by the U.S. DOT as a hazardous material. See Section 14 for additional information.	
1	Slight	1	Health		
2	Moderate	0	Flammability		
3	High	0	Reactivity		
4	Severe				

SECTION 1: IDENTIFICATION	
<b>Product Name:</b> Superb™ HSOC <b>PCP Registration #:</b> 35364 <b>Common Name:</b> High Surfactant Oil Concentrate <b>Chemical Description:</b> Phytobland paraffinic oil, high fructose corn syrup, polyoxyethylene sorbitan fatty esters <b>Recommended Uses:</b> Adjuvant – See product label for full directions for use. <b>Restrictions for Use:</b> See product label for any potential use restrictions.	
<b>Initial Supplier:</b> <b>WINFIELD UNITED CANADA, ULC</b> 101-302 Wellman Lane Saskatoon, SK S7T 0J1~ CAN	<b>Manufactured For:</b> <b>WINFIELD SOLUTIONS, LLC</b> P. O. Box 64589 St. Paul, MN 55164-0589 ~ USA
<b>MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs)</b> <b>Non-Emergency Business Inquiries: 1-888-875-4769</b> <b>Mon – Fri 8am – 5pm (Central Standard Time)</b> <b>FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL:</b> <b>CHEMTREC 1-800-424-9300 (24 hours)</b>	

SECTION 2: HAZARDS IDENTIFICATION	
<b>EMERGENCY OVERVIEW:</b> Clear amber liquid with mild aromatic odor. Based on currently available data, this product does not meet the regulatory definition of a hazardous chemical. However, good industrial hygiene practices should be used in handling the product.	
<b>POTENTIAL HEALTH EFFECTS:</b> <b>Eyes:</b> May cause mild but reversible eye irritation. <b>Skin:</b> May cause mild but reversible skin irritation. <b>Inhalation:</b> May cause minor irritation of the upper respiratory tract. <b>Ingestion:</b> May cause minor irritation of the digestive tract. <b>Preexisting Conditions:</b> Preexisting skin conditions may be aggravated by exposure. <b>Chronic Health Effects:</b> None known	
<b>Carcinogenicity</b>	NTP: Not listed                      IARC: Not listed                      OSHA: Not listed
<b>OSHA HCS 2012 CLASSIFICATION:</b> This product does not meet the definition of a hazardous chemical under OSHA's Hazard Communication Standard.	
<b>SIGNAL WORD:</b> CAUTION	
<b>HAZARD STATEMENTS:</b> None required.	
<b>Percent of product with unknown toxicity:</b> 0%	
<b>PRECAUTIONARY STATEMENTS:</b> <b>Prevention:</b> See Section 8 for personal protective equipment. <b>Response:</b> See Section 4 for first aid information. <b>Storage:</b> See Section 7 for storage information. <b>Disposal:</b> See Section 13 for disposal information.	

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	% (wt)	CAS Reg. #
Distillates (Petroleum) Solvent Dewaxed Light Paraffinic	48.0 – 52.0%	64742-56-9
Propylene glycol	<3.5%	57-55-6
*Ingredients not specifically listed are non-hazardous and are considered to be confidential business information under 29 CFR 1910.1200(i).		
See Section 8 for exposure limits.		

### SECTION 4: FIRST AID MEASURES

<b>Inhalation:</b>	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
<b>Ingestion:</b>	Seek medical attention or call a poison control center for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>Eyes:</b>	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention if eye irritation persists.
<b>Skin:</b>	Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if skin irritation persists.

### SECTION 5: FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Foam, Dry chemical, Carbon dioxide, Water spray or fog
<b>Unsuitable Extinguishing Media:</b>	Water jet. Use a water jet only to cool heated containers.
<b>Special Fire Fighting Procedures:</b>	Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.
<b>Hazardous Combustion Products:</b>	Asphyxiates such as carbon monoxide may result from combustion.
<b>Unusual Fire and Explosion Hazards:</b>	None known

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
<b>Environmental Precautions:</b>	Keep spilled product from entering sewers or waterways.
<b>Methods for Containment:</b>	Contain spilled product by diking area with sand or earth.
<b>Methods for Clean-up:</b>	Cover contained spill with an inert absorbent material such as sand, vermiculite or other appropriate material. Vacuum, scoop, or sweep up material and place in a container for disposal. Do not place spilled material back in original container.
<b>Other Information:</b>	None known

### SECTION 7: HANDLING AND STORAGE

<b>Handling:</b>	Ensure adequate ventilation during handling and use. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.
<b>Storage:</b>	Store in cool, dry areas away from children, food and feed products in an area away from incompatible substances. Protect packaging from physical damage. Protect from exposure to fire.
<b>Minimum Storage Temperature:</b>	Not determined
<b>Other Precautions:</b>	Consult Federal, state and local laws and regulations pertaining to storage.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines			
Component:	OSHA PEL	ACGIH TLV	NIOSH REL
Oil mist	5 mg/m3	5 mg/m3	
<b>Respiratory Protection:</b> For most conditions, no respiratory protection should be needed. If airborne concentrations exceed exposure limits, use a NIOSH approved air-purifying respirator with cartridges/canisters approved for oil mist.			
<b>Engineering Controls:</b> <b>Local Exhaust:</b> Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.			
<b>Protective Gloves:</b> While not expected to cause skin irritation, the use of chemically protective gloves is recommended to prevent against skin contact.			
<b>Eye Protection:</b> While not expected to cause eye irritation, the use of chemical safety goggles is recommended to prevent against eye contact. Contact lenses are not protective eye devices.			
<b>Other Protective Clothing or Equipment:</b> Wear long-sleeve shirt, long pants and shoes plus socks to prevent skin contact.			
<b>Work/Hygienic Practices:</b> Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
<b>Physical State:</b>	Liquid	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	0.992 (typical)
<b>Vapor Pressure (mm Hg):</b>	Not determined	<b>Density (lbs/gallon):</b>	8.28 lbs/gallon (typical)
<b>Vapor Density (Air=1):</b>	Not determined	<b>Melting Point/Freezing Point:</b>	Not determined
<b>Solubility in Water (wt %):</b>	Not determined	<b>Boiling Point/Range:</b>	Not determined
<b>Viscosity (centistokes):</b>	Not determined	<b>pH:</b>	5.0 – 7.0
<b>Appearance and odor:</b>	Clear amber liquid with mild aromatic odor	<b>Flash Point:</b>	>212°F

SECTION 10: STABILITY AND REACTIVITY	
<b>Reactivity:</b> None known	
<b>Chemical Stability:</b> Product is stable at ambient temperature and pressure, under normal storage and handling conditions.	
<b>Possibility of Hazardous Reactions:</b> Will not occur	
<b>Conditions to Avoid:</b> Extreme temperatures	
<b>Incompatible Materials:</b> Strong oxidizers	
<b>Hazardous Decomposition Products:</b> Asphyxiates such as carbon monoxide may result from combustion.	

SECTION 11: TOXICOLOGICAL INFORMATION	
<b>ACUTE TOXICITY</b>	
<b>Eye Effects:</b>	May cause mild but temporary eye irritation. Animal tests on the components showed the product to be a non-irritant.
<b>Skin Effects:</b>	May cause mild but temporary skin irritation. Animal tests showed the product to be a non-irritant. Estimated LD50 >5,050 mg/kg
<b>Acute Inhalation Effects:</b>	Estimated LC50 >2.28 mg/L; Based upon component data and lack of mortality and adverse effects during the study, this product is not expected to be toxic via inhalation.
<b>Acute Oral Effects:</b>	Estimated LD50 >5,000 mg/kg
<b>Specific Target Organ Toxicity:</b>	None known
<b>CHRONIC TOXICITY</b>	
<b>Chronic Effects:</b>	None known
<b>Carcinogenicity:</b>	None known
<b>Mutagenicity:</b>	None known
<b>Teratogenicity:</b>	None known
<b>Reproductive Toxicity:</b>	None known

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<b>POTENTIAL HEALTH EFFECTS:</b>
<b>Eyes:</b> May cause mild but reversible eye irritation.

**Skin:** May cause mild but reversible skin irritation.  
**Inhalation:** May cause minor irritation of the upper respiratory tract.  
**Ingestion:** May cause minor irritation of the digestive tract.

## SECTION 12: ECOLOGICAL INFORMATION

**ENVIRONMENTAL SUMMARY:** This product is slightly toxic to aquatic organisms.

### ECOTOXICITY DATA:

**Fish Acute and Prolonged Toxicity:** Rainbow trout 96 hr – LC50 = 45 mg/L; NOEC = 30 mg/L  
 Bluegill 96 hr – EC50 >100 mg/L; NOEC = 10 mg/L  
**Aquatic Invertebrate Acute Toxicity:** *Daphnia magna* 48 hr – EC50 = 22.3 mg/L; NOEC <10 mg/L  
**Aquatic Plant Toxicity:** Not determined  
**Bird Acute and Prolonged Toxicity:** Not determined  
**Honeybee Toxicity:** Not determined

### ENVIRONMENTAL EFFECTS:

**Soil Absorption/Mobility:** Not determined  
**Persistence and degradability:** Not determined  
**Bioaccumulative Potential:** Not determined  
**Other adverse effects:** Not determined

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste:** Dispose of in accordance with applicable Federal, state and local laws and regulations.  
**Container:** Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations.  
**RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

## SECTION 14: TRANSPORT INFORMATION

**DOT:** This product is not regulated by the U.S. Department of Transportation as a hazardous material for ground  
**(Ground)** shipment.  
**IMDG:** Not determined  
**(Sea)**  
**IATA:** Not determined  
**(Air)**  
**TDG:** Not determined  
**(Canada)**

## SECTION 15: REGULATORY INFORMATION

**TSCA Inventory:** All components are listed on the TSCA inventory or are exempt from listing.

### SARA Title III Information:

**Section 302 - Extremely hazardous substances:** None listed

**Section 311/312 – Hazard Categories:** None

**Section 313 –** The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:  
 None listed

**CERCLA -** This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):  
 None listed

**California Proposition 65: WARNING:** This product contains a chemical known to the state of California to cause cancer and/or reproductive harm.

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**U.S. State Worker and Community Right-To-Know (RTK) Information (CT, IL, MA, MN, NH, NJ, PA, RI):**

**Chemical Name**Distillates (Petroleum) Solvent Dewaxed Light Paraffinic  
Propylene glycol**CAS #**64742-56-9  
57-55-6**State(s)**MA  
NJ, PA**Canadian Domestic Substances List:** All components are listed on the DSL.**WHMIS Classification:** This product is not approved for use in Canada. WHMIS classification is not determined.**SECTION 16: OTHER**

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**Revision Date:** 01/13/2025**Supersedes document dated:** NA**Sections Revised:** NA