

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

SECTION 1: IDENTIFICATION	
Product Name:	Transfix®
EPA Registration #:	Exempt
Product ID/Unity #:	10008125, 60320215
Common Name:	Agricultural Adjuvant
Chemical Description:	Beta-pinene polymer
Recommended Uses:	Agricultural Adjuvant. See product label for complete list of recommended uses and use sites.
Restrictions for Use:	See product label for information regarding restrictions on the use of this product.
Manufactured For: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW: Clear, viscous, amber liquid with terpene odor. Causes eye irritation.	
POTENTIAL HEALTH EFFECTS:	
Eyes: May be mildly irritating to the eyes. Prolonged or repeated overexposure may cause eye irritation.	
Skin: Prolonged or repeated exposure may cause mild skin irritation.	
Inhalation: Pre-existing respiratory conditions may be aggravated by exposure to mists.	
Ingestion: Not anticipated to be harmful if swallowed, however gastric upset may occur.	
Preexisting Conditions: Pre-existing respiratory conditions may be aggravated by exposure to mists.	
Chronic Health Effects: None known.	
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: Eye Irritant Category 2B	
SIGNAL WORD: WARNING	
HAZARD STATEMENTS: Causes eye irritation.	
Percent of product with unknown toxicity: 0%	
PRECAUTIONARY STATEMENTS:	
Prevention:	Wash hands thoroughly after handling
Response:	If in eyes: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.
Storage:	See section 7 for information on product storage.
Disposal:	See section 13 for information on product disposal.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	% (wt)	CAS Reg. #
Proprietary blend of Polymeric Terpenes and Inerts	100.0%	31393-98-3 & N/A
*Ingredients not specifically listed are non-hazardous and/or are considered to be confidential business information under 29 CFR 1910.1200(i).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES

Inhalation:	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Ingestion:	Seek medical attention or call a poison control center. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.
Eyes:	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 irritation persists.
Skin:	Remove contaminated clothing and wash before re-using them. Wash exposed skin with soap and water. Seek medical attention if skin becomes irritated.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use dry chemical powder for small fires and water fog or foam for large fires. Water may be ineffective in firefighting. Use water spray/fog for cooling containers and firefighters.
Unsuitable Extinguishing Media:	Water jet.
Special Fire Fighting Procedures:	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.
Hazardous Combustion Products:	Incomplete combustion may yield carbon oxides.
Unusual Fire and Explosion Hazards:	None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
Environmental Precautions:	Minimize runoff into nearby water sources.
Methods for Containment:	Contain spilled liquid by diking area with sand or earth.
Methods for Clean-up:	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.
Other Information:	No other information available.

SECTION 7: HANDLING AND STORAGE

Handling:	Ensure adequate ventilation. 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.
Storage:	Store in cool, dry area away from children, feed and food products in an area away from incompatible substances. Protect packaging from physical damage. Protect from exposure to fire. Maintain product above minimum storage temperature.
Minimum Storage Temperature:	40°F
Other Precautions:	Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines	OSHA PEL	ACGIH TLV	NIOSH REL
Component:			
No components have exposure guidelines.			
Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an OSHA/NIOSH-approved respirator for organic vapors.			
Engineering Controls:	Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.		
Protective Gloves: While not expected to cause skin irritation, wear chemically protective gloves to prevent repeated exposure to the skin.			
Eye Protection: To avoid contact with eyes, wear chemical goggles or shielded safety glasses. Contact lenses are not eye protective devices. An emergency eyewash or water supply should be readily accessible to the work area.			
Other Protective Clothing or Equipment: Wear long-sleeve shirt, long pants and shoes plus socks to prevent prolonged or repeated skin contact.			
Work/Hygienic Practices: 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

Physical State:	Liquid	Specific Gravity (H₂O=1):	0.95 g/ml (typical)
Vapor Pressure (mm Hg):	Negligible	Density (lbs/gallon):	7.93 lbs/gal (typical)
Vapor Density (Air=1):	Negligible	Melting Point/Freezing Point:	Not determined
Solubility in Water (wt %):	Form emulsion	Boiling Point/Range:	>212°F
Viscosity:	Not determined	pH:	6.0 – 8.0
Appearance and odor:	Clear, viscous, amber liquid with terpene odor	Flash Point:	>270°F

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None known.
Chemical Stability: Product is stable at ambient temperature and pressure, under normal storage and handling.
Possibility of Hazardous Reactions: None known.
Conditions to Avoid: Excessive temperatures
Incompatible Materials: None known
Hazardous Decomposition Products: Incomplete combustion may yield carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	
Eye Effects:	May cause slight irritation to eyes including redness, tearing, and blurred vision.
Skin Effects:	LD50 not determined. May cause mild irritation to skin including defatting and dermatitis. Absorption through skin increases exposure. Prolonged exposure may cause more severe irritation such as local redness and swelling.
Acute Inhalation Effects:	LC50 is not determined. May irritate the respiratory tract and cause discomfort to nose and throat.
Acute Oral Effects:	LD50 is not determined. Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.
Specific Target Organ Toxicity:	None known.
CHRONIC TOXICITY	
Chronic Effects:	Not anticipated to have chronic health effects due to exposure.
Carcinogenicity:	None of the components of this product are known or suspected of having carcinogenic effects.
Mutagenicity:	None of the components of this product are known or suspected of having mutagenic effects.
Teratogenicity:	None of the components of this product are known or suspected of having teratogenic effects.
Reproductive Toxicity:	None of the components of this product are known or suspected of having effects on the reproductive system.

POTENTIAL HEALTH EFFECTS:

Eyes: May be mildly irritating to the eyes. Prolonged or repeated overexposure may cause eye irritation.
Skin: Prolonged or repeated exposure may cause mild skin irritation.
Inhalation: Pre-existing respiratory conditions may be aggravated by exposure to mists.
Ingestion: Not anticipated to be harmful if swallowed, however gastric upset may occur.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: Not determined

ECOTOXICITY DATA:

Fish Acute and Prolonged Toxicity: Not determined
Aquatic Invertebrate Acute Toxicity: Not determined
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: None known

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:
(Ground) Not regulated by the U.S. Department of Transportation as a hazardous substance.
IMDG:
(Sea) Not determined
IATA:
(Air) Not determined
TDG:
(Canada) Not determined

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 listed
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: This product does not contain chemicals known to the state of California to cause cancer, birth defects or other 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	CAS #	State(s)
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No components listed

Canadian Domestic Substances List: Not determined

WHMIS Classification: This product is not approved for use in Canada. WHMIS classification is not determined.

Other Information: A maximum of 1 ppm Ethylene Oxide (CAS # 75-21-8) may be present in this product. The OSHA PEL and the ACGIH TLV for Ethylene Oxide are 1 ppm. Ethylene Oxide is a NTP, IARC, and OSHA carcinogen. Ethylene Oxide has also been determined to be a reproductive hazard. The trace levels of Ethylene Oxide in this product are not expected to result in acute or long-term hazards when handled according to the precautions set forth in this SDS. However, Ethylene Oxide may accumulate in the container headspace and be released into the ambient environment. It is the responsibility of the employer to comply with OSHA Ethylene Oxide standards (29 CFR 1910.1047).

SECTION 16: OTHER

Disclaimer: The information presented herein is based on available data from reliable sources and is correct to the best of WinField Solutions' knowledge. WinField Solutions, LLC makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

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Sections Revised: All