


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	2	Health		
2	Moderate	0	Flammability		
3	High	0	Reactivity		
4	Severe				

SECTION 1: IDENTIFICATION	
Product Name:	Gulfstream™
EPA Registration #:	Exempt
Product ID/Unity #:	1483831, 1483832, 1483833
Common Name:	Non-ionic surfactant blend
Chemical Description:	Non-ionic surfactant blend
Recommended Uses:	Adjuvant product. 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: Viscous brown liquid with slightly fatty acid odor. Prolonged contact may be irritating to eyes and skin. Vapors or mist may be irritating and cause discomfort in nose and throat. May be toxic if swallowed.	
POTENTIAL HEALTH EFFECTS:	
Eyes: May cause severe eye irritation upon direct contact.	
Skin: Prolonged contact with skin may cause drying and irritation.	
Inhalation: Inhalation of high mist concentration may cause headaches and dizziness.	
Ingestion: Harmful if swallowed.	
Preexisting Conditions: Preexisting respiratory conditions may be aggravated by exposure to mist.	
Chronic Health Effects: None known	
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: Eye Irritation Category 2A; Skin Irritation Category 2; Acute Oral Toxicity Category 4; Specific Target Organ Toxicity – Single Exposure Category 3	
SIGNAL WORD: WARNING	
HAZARD STATEMENTS: Causes serious eye irritation. Causes skin irritation. Harmful if swallowed. May cause respiratory irritation.	
Percent of product with unknown toxicity: 72%	
PRECAUTIONARY STATEMENTS:	
Prevention: Wash hands thoroughly after handling. Wear eye and face protection and protective gloves. Do not eat, drink or smoke when using this product. Avoid breathing mist or spray. Use only outdoors in a well-ventilated area.	

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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. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison control center (1-877-424-7452) or doctor for treatment advice if you feel unwell. If Swallowed: Immediately call a poison control center (1-877-424-7452) or doctor for treatment advice. Rinse mouth.
Storage:	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal:	Dispose of contents/container in accordance with Federal, state and local regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	% (wt)	CAS Reg. #
Alkylaryl polyethoxyethanol (contains)	<72.0%	*
Nonylphenol ethoxylate		9016-45-9
Diethylene glycol		111-46-6
Butyl glycol ether	<9.0%	111-76-2
Oleic acid	<9.0%	112-80-1
Phosphoric acid	<4.5%	7664-38-2
*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	
Inhalation:	Remove person from contaminated area to fresh air and assist breathing as needed. See medical attention immediately.
Ingestion:	Seek medical attention or call a poison control center immediately 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.
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 eye irritation occurs.
Skin:	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	
Suitable Extinguishing Media:	Use dry chemical, foam, carbon dioxide (CO2) water spray or water fog.
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. Use water spray to cool fire-exposed containers and to protect personnel.
Hazardous Combustion Products:	Carbon oxides, Oxides of phosphorous and phosphine
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:	Keep spilled product and any rinse water from entering sewers or waterways.
Methods for Containment:	Contain spilled product 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:	None known

SECTION 7: HANDLING AND STORAGE

Handling: 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.

Storage: 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. Maintain product between 40°F and 120°F.

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

Component:	OSHA PEL	ACGIH TLV	NIOSH REL
Butyl glycol ether (CAS #111-76-2)	50 ppm/240 mg/m3 TWA	20 ppm TWA	5 ppm/24 mg/m3 TWA
Phosphoric acid (CAS #7664-38-2)	1 mg/m3 TWA 3 mg/m3 STEL	1 mg/m3 TWA 3 ppm STEL	1 mg/m3 TWA 3 mg/m3 STEL

Respiratory Protection: For most well-ventilated 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 use against 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: This product can cause skin irritation. Wear chemically protective gloves to prevent exposure to skin.

Eye Protection: To avoid contact with eyes, wear chemical safety goggles or safety glasses and full face shield. Contact lenses are not protective eye 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):	1.05 (+/- 0.05)
Vapor Pressure (mm Hg):	Not determined	Density (lbs/gallon):	8.35 – 9.18 lbs/gallon
Vapor Density (Air=1):	Not determined	Melting Point/Freezing Point:	Not determined
Solubility in Water (wt %):	Complete, hazy	Boiling Point/Range:	Not determined
Viscosity:	Not determined	pH:	3 – 4 (0.5%)
Appearance and odor:	Viscous brown liquid with slightly fatty acid odor.	Flash Point:	>200°F (TCC)

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None known

Chemical Stability: Product is stable at ambient temperature and pressure, under normal storage and handling conditions.

Possibility of Hazardous Reactions: Will not occur.

Conditions to Avoid: Extended exposure to high temperatures.

Incompatible Materials: Strong acids and strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and other hazardous gases

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Eye Effects:	Can cause moderate to severe eye irritation.
Skin Effects:	Can cause mild to moderate skin irritation.
Acute Inhalation Effects:	May be harmful if inhaled
Acute Oral Effects:	Harmful if swallowed.
Specific Target Organ Toxicity:	Not determined

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CHRONIC TOXICITY	
Chronic Effects:	Not determined
Carcinogenicity:	Not determined
Mutagenicity:	Not determined
Teratogenicity:	Not determined
Reproductive Toxicity:	Not determined
POTENTIAL HEALTH EFFECTS:	
Eyes: May cause severe eye irritation upon direct contact.	
Skin: Prolonged contact with skin may cause drying and irritation.	
Inhalation: Inhalation of high mist concentration may cause headaches and dizziness.	
Ingestion: Harmful if swallowed.	

SECTION 12: ECOLOGICAL INFORMATION	
ENVIRONMENTAL SUMMARY: This product is moderately toxic to aquatic organisms.	
ECOTOXICITY DATA:	
Fish Acute and Prolonged Toxicity:	Fathead minnow 96 hr NOEC <12.5 mg/L; EC50 = 17.5 mg/L Rainbow trout 96 hr NOEC = 5 mg/L; EC50 7.5 mg/L
Aquatic Invertebrate Acute Toxicity:	<i>Daphnia magna</i> 48 hr NOEC = 12.5 mg/L at 24 hours and 6.25 mg/L at 48 hours; EC50 = 23.438 at 24 hours and 17.188 at 48 hours
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: (Ground)	This product is not regulated by the U.S. Department of Transportation as a hazardous material for ground shipment.
IMDG: (Sea)	Not determined
IATA: (Air)	Not determined
TDG: (Canada)	Not determined

SECTION 15: REGULATORY INFORMATION

TSCA Inventory: The following components are listed on the TSCA inventory: Butyl glycol ether (CAS #111-76-2), Phosphoric acid (CAS#7664-38-2), Oleic acid (CAS #112-80-1), Nonylphenol ethoxylate (CAS #9016-45-9), Diethylene glycol (CAS #111-46-6)

SARA Title III Information:

Section 302 – Extremely hazardous substances: None listed

Section 311/312 – Hazard Categories: Acute

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:

Butyl glycol ether (CAS #111-76-2)

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 or reproductive harm.

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

Chemical Name	CAS #	State(s)
Butyl glycol ether	111-76-2	MA, NJ, PA
Oleic acid	112-80-1	NJ, PA
Phosphoric acid	7664-38-2	MA, NJ, PA
Diethylene glycol	111-46-6	PA

Canadian Domestic Substances List: Not determined

WHMIS Classification: This product is not registered 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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