


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

SECTION 1: IDENTIFICATION	
Product Name:	Noble®
EPA Registration #:	Exempt
Product ID/Unity #:	10133483, 10133567
Common Name:	Agricultural adjuvant
Chemical Description:	Methylated oil adjuvant
Recommended Uses:	Adjuvant – See product label for full directions for use.
Restrictions for Use:	See product label for any restrictions on use.
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 CHEMICAL EMERGENCY INVOLVING A, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION	
<b>EMERGENCY OVERVIEW:</b> Clear yellow liquid with fatty acid/alcohol odor. Causes eye and skin irritation. May be harmful if inhaled, swallowed or absorbed through skin.	
<b>POTENTIAL HEALTH EFFECTS:</b> <b>Eyes:</b> Causes eye irritation. Symptoms may include redness, tearing, blurred vision and discomfort <b>Skin:</b> Causes skin irritation. Absorption through skin increases exposure. Prolonged exposure may cause more severe irritation such as local redness and swelling. <b>Inhalation:</b> May irritate the respiratory tract and cause discomfort to nose and throat. <b>Ingestion:</b> Swallowing may cause abdominal irritation, nausea, vomiting and diarrhea. <b>Preexisting Conditions:</b> Preexisting respiratory conditions may be aggravated by exposure to mist. <b>Chronic Health Effects:</b> None known	
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
<b>GHS CLASSIFICATIONS:</b> Eye Irritation Category 2B; Skin Irritation Category 2; Acute Toxicity (oral, dermal, inhalation) Category 5	
<b>SIGNAL WORD:</b> WARNING	
<b>HAZARD STATEMENTS:</b> Causes eye and skin irritation. May be harmful if swallowed, absorbed through skin, or inhaled.	
<b>PRECAUTIONARY STATEMENTS:</b> <b>Prevention:</b> Wash hands, face and other affected areas thoroughly after handling. Wear protective gloves, protective clothing, eye and/or face protection. Do not eat drink or smoke when using this product. <b>Response:</b> <b>If in eyes:</b> 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. <b>If on skin:</b> Take off contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs or if you feel unwell: Get medical attention. Wash contaminated clothing separately before reuse. <b>If swallowed:</b> Call a poison control center or doctor for treatment advice if you feel unwell. <b>If inhaled:</b> Call a poison control center or doctor for treatment advice if you feel unwell. <b>Storage:</b> See Section 7 and the product label for information pertaining to Storage. <b>Disposal:</b> See Section 13 and the product label for information pertaining to Disposal.	

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	% (wt)	CAS Reg. #
Proprietary Blend of Methyl Esters, and Surfactants	100.0%	N/A
See Section 8 for exposure limits.		

## SECTION 4: FIRST AID MEASURES

Inhalation:	Remove person to fresh air and keep comfortable for breathing. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Seek medical attention if irritation occurs.
Ingestion:	Seek medical attention or call a poison control center for treatment advice if you feel unwell. Have person rinse mouth and sip a glass of water if able to swallow. 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:	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.
Skin:	Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention if you feel unwell or if skin irritation persists.

## SECTION 5: FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b> Water spray, dry chemical, foam or carbon dioxide (CO <sub>2</sub> ); Use water spray to cool fire-exposed containers and to protect personnel.
<b>Unsuitable Extinguishing Media:</b> Water jet
<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> Combustion may yield carbon monoxide, carbon dioxide and other hazardous gas.
<b>Unusual Fire and Explosion Hazards:</b> Closed containers may explode from vapor expansion in high heat. Containers adjacent to fire may be cooled by a stream of water.

## 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> Do not allow spilled product to enter sewers or waterways.
<b>Methods for Containment:</b> Contain spilled liquid 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> Avoid breathing mist, vapors, or spray. Wear personal protective equipment. Ensure adequate ventilation. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Wash hands, face and other affected areas thoroughly after handling this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Do not eat, drink or smoke when using this product.
<b>Storage:</b> Store in cool, dry, well-ventilated areas away from children, pets, feed and food products. Keep away from sources of heat or flame. Protect from freezing. Protect package from physical damage. Store between 40°F and 120°F. Keep container closed when not in use. Isolate from strong oxidizing agents.
<b>Minimum Storage Temperature:</b> 40°F; If product is stored below 32°F it may become cloudy and thicken. Product should return to its normal, clear fluid state above 32°F.
<b>Other Precautions:</b> Consult Federal, state and local laws and regulations pertaining to storage.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Airborne Exposure Limits</b>	
ACGIH TLV: 10 mg/m <sup>3</sup> OSHA PEL - TWA: 5 mg/m <sup>3</sup> (mist - respirable fraction) OSHA PEL - TWA: 15 mg/m <sup>3</sup> (mist - total)	
<b>Respiratory Protection:</b> For most conditions, no respiratory protection should be needed; however use NIOSH/MSHA approved organic vapor respirator as necessary.	
<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> Wear chemical resistant gloves to prevent skin contact.	
<b>Eye Protection:</b> To avoid contact with eyes, wear chemical goggles or full face shield and safety glasses. Contact lenses are not protective eye devices. An emergency eyewash or water supply should be readily accessible to the work area.	
<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>	0.84 - 0.94
<b>Vapor Pressure (mm Hg):</b>	Not determined	<b>Density (lbs/gallon):</b>	7.0 - 7.8 lbs/gallon
<b>Vapor Density (Air=1):</b>	Not determined	<b>Melting Point/Freezing Point:</b>	Not determined
<b>Solubility in Water:</b>	Dispersible	<b>Boiling Point/Range:</b>	Not determined
<b>Kinematic Viscosity:</b>	23 - 27 mm <sup>2</sup> /s @40°C	<b>pH (0.25%):</b>	5.5 - 6.5
<b>Appearance and odor:</b>	Clear yellow liquid with fatty acid/alcohol odor	<b>Flash Point:</b>	>200°F

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b> None known
<b>Chemical Stability:</b> This 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> Isolate from open flames and heat.
<b>Incompatible Materials:</b> Strong oxidizing agents. Isolate from open flames and heat. Keep material away from aluminum metal, oleum and nitroform.
<b>Hazardous Decomposition Products:</b> Combustion may yield carbon monoxide, carbon dioxide and other hazardous gas.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY (based on components within the formulation)</b>	
<b>Eye Effects:</b>	Causes eye irritation. Symptoms may include redness, tearing, blurred vision and discomfort.
<b>Skin Effects:</b>	LD50 >2,000 mg/kg (rats). Causes skin irritation. Absorption through skin increases exposure. Prolonged exposure may cause more severe irritation such as local redness and swelling.
<b>Acute Inhalation Effects:</b>	LC50 is not determined. May irritate the respiratory tract and cause discomfort to nose and throat.
<b>Acute Oral Effects:</b>	LD50 > 4,000 mg/kg (rats). Swallowing may cause abdominal irritation, nausea, vomiting and diarrhea.
<b>Specific Target Organ Toxicity:</b>	None known
<b>CHRONIC TOXICITY</b>	
<b>Chronic Effects:</b>	None known
<b>Carcinogenicity:</b>	No component is known to have a carcinogenic effect.
<b>Mutagenicity:</b>	No component is known to have a mutagenic effect.
<b>Teratogenicity:</b>	No component is known to have a teratogenic effect.
<b>Reproductive Toxicity:</b>	No component is known to have an effect on the reproductive system.

## SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: Not determined

ECOTOXICITY DATA:

Fish Acute and Prolonged Toxicity: *Oncorhynchus mykiss* (Rainbow Trout) – LC50 = 24 mg/L (96 hour)  
 Aquatic Invertebrate Acute Toxicity: *Daphnia magna* - EC50 = 96 mg/L (48 hour)  
 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: Do not reuse 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 shipment.  
(Ground)IMDG: Not determined  
(Sea)IATA: Not determined  
(Air)TDG: Not determined  
(Canada)

## SECTION 15: REGULATORY INFORMATION

TSCA Inventory: Not determined

SARA Title III Information:

Section 302 - Extremely hazardous substances: None listed

Section 311/312 – Hazard Categories: Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

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 contains no chemicals known to the state of California to cause cancer or reproductive toxicity.

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

Chemical Name	CAS #	State(s)
Not determined		

**SECTION 16: OTHER**

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