

# Safety Data Sheet

according to OSHA Hazard Communication  
29 CFR Part 1910.1200



## SECTION 1. Identification

**Product Name:** Hero Biobased UltraSolve

**Supplied by:** Solvent Systems International  
70 King St.  
Elk Grove Village, Illinois 60007  
(847) 437-1100

## SECTION 2. Hazard(s) Identification

\*\*\* EMERGENCY OVERVIEW \*\*\*: No Information

**GHS Classification**

**Symbol(s) of Product**

No GHS Symbols Exist

**Signal Word**

No Signal Word has been assigned

## SECTION 3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
No hazardous items exist				

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

## SECTION 4. First-Aid Measures



**FIRST AID - EYE CONTACT:** Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

**FIRST AID - SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

**FIRST AID - INHALATION:** Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

**FIRST AID - INGESTION:** Do not induce vomiting. Do not give liquids. Obtain emergency medical attention.

## SECTION 5. Fire-Fighting Measures

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No Information

**SPECIAL FIREFIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH

approved or equivalent) and full protective gear. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

## SECTION 6. Accidental Release Measures

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## SECTION 7. Handling and Storage



**HANDLING:** Low hazard for usual industrial handling or commercial handling by trained personnel. Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

**STORAGE:** Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use. Protect from direct sunlight.

## SECTION 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
----------------------	----------------------	-----------------------	---------------------	-------------------------

No hazardous items exist

### Personal Protection



**RESPIRATORY PROTECTION:** NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.



**SKIN PROTECTION:** Wear impervious gloves to prevent contact with the skin.



**EYE PROTECTION:** Wear safety glasses with side shields (or goggles) and a face shield.



**OTHER PROTECTIVE EQUIPMENT:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.



**HYGIENIC PRACTICES:** Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Avoid breathing vapors. Do not eat, drink, or smoke in areas where this material is used.

## SECTION 9. Physical and Chemical Properties

<b>Appearance:</b>	Pale yellow liquid	<b>Physical State:</b>	Liquid
<b>Odor:</b>	Typical	<b>Odor Threshold:</b>	N.D.
<b>Density, g/cm<sup>3</sup>:</b>	0.879	<b>pH:</b>	N.D.
<b>Freeze Point, °F:</b>	N.D.	<b>Viscosity:</b>	N.D.
<b>Solubility in Water:</b>	Insoluble	<b>Explosive Limits, vol%:</b>	N.D.
<b>Boiling Range, °F:</b>	392 - 392	<b>Flash Point, °F:</b>	>200
<b>Evaporation Rate:</b>	<1	<b>Auto-ignition Temp., °F:</b>	N.D.
<b>Vapor Density:</b>	>1	<b>Vapor Pressure:</b>	N.D.
<b>VOC</b>	1 g/l		

(See "Other information" Section for abbreviation legend)

## SECTION 10. Stability and Reactivity

**STABILITY:** No Information

**CONDITIONS TO AVOID:** Avoid excess heat and sources of ignition.

**INCOMPATIBILITY:** Prevent contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** During combustion carbon dioxide may be formed. During combustion carbon monoxide may be formed.

**HAZARDOUS POLYMERIZATION:** No Information

## SECTION 11. Toxicological Information



### Information on Toxicological Effects

**EFFECTS OF OVEREXPOSURE - INHALATION:** Low order of toxicity.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** May cause skin irritation.

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Contact with the eye may cause moderate irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Expected to be a low ingestion hazard.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** No Information

**Primary Route(s) of Entry:** Eye Contact, Skin Contact

### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name according to EEC</u>	<u>Oral LD50, mg/kg</u>	<u>Dermal LD50, mg/kg</u>	<u>Vapor LC50, mg/L</u>
No hazardous items exist				

## SECTION 12. Ecological Information

**ECOLOGICAL INFORMATION:** No Information

## SECTION 13. Disposal Considerations



For more guidance and information contact us at (847) 437-1100.

**DISPOSAL METHOD:** Dispose of waste in accordance with all local, state and federal regulations.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## SECTION 14. Transport Information

**DOT Proper Shipping Name:** Not Regulated      **Packing Group:** No Information

**DOT Hazard Class:** No Information      **Hazard SubClass:** No Information  
**DOT UN/NA Number:** No Information      **Resp. Guide Page:** No Information

## SECTION 15. Regulatory Information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

None Known

#### SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

#### TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

### U.S. State Regulations:

#### NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS-No.</u>
Methyl esters	67762-38-3

#### PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product are at or greater than 3%.

<u>Chemical Name</u>	<u>CAS-No.</u>
Methyl esters	67762-38-3

Proposition 65 chemicals are not expected to be found in this product above those naturally present in their agricultural source. Proposition 65 exempts naturally occurring chemicals from an obligation to label.

**International Regulations: As follows -**

**CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**WHMIS Class:** No Information

**SECTION 16. Other Information**

**Revision Date:** 11/4/2014 **Supersedes Date:** New SDS

**Datasheet produced by:** EH&S - Regulatory Department

**HMIS Ratings:**

<b>Health:</b>	1	<b>Flammability:</b>	1	<b>Reactivity:</b>	0	<b>Personal Protection:</b>	X
----------------	---	----------------------	---	--------------------	---	-----------------------------	---

DISCLAIMER: THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT REPORTED HEREIN, IF ANY, IS BASED ON A MATERIAL VOC CALCULATION. NOTE THAT SEVERAL METHODS ARE USED FOR CALCULATING VOC CONTENT AND THAT STANDARDS/ REQUIREMENTS REGARDING VOC CONTENT VARY BY LOCATION/JURISDICTION. ACCORDINGLY, SSI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS MATERIAL'S COMPLIANCE WITH VOC STANDARDS/ REQUIREMENTS APPLICABLE IN LOCATIONS/JURISDICTIONS WHERE THIS MATERIAL MAY BE SOLD OR USED.

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

No GHS Pictograms exist for Section 3

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information on this SDS was obtained from sources which we believe to be reliable. However, the information provided is without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information and recommendations are offered for the user's consideration and examination and should be used to make an independent determination of the methods to safeguard workers and the environment. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For these reasons we do not assume responsibility and expressly disclaim any liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS may not be applicable. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.