

# Safety Data Sheet

## Section 1

## Product and Company Identification

<b>Common Name</b> 1000 Green Premix	<b>Product Model Number</b> 922WA-SP
<b>Product File Number</b> 920:405-922WA-SP-9	<b>Product Use</b> Indicating Fluid
<b>Manufacturer's Name</b> Meriam	<b>Emergency Phone Numbers</b> 1-800-255-3924 (US), + 01 813 248 0585 (International)
<b>Address</b> 10920 Madison Ave.	<b>Engineering Control Data</b> MSDS - A35795-1, Rev. M, EO 7519
<b>City, State, Zip</b> Cleveland, Ohio 44102	<b>Date Prepared</b> 06-Nov-2015

## Section 2

## Hazards Identification

### Classification of the substance or mixture

#### GHS Hazards

<b>Flammable liquid:</b>	Category 4
<b>Acute toxicity (oral):</b>	Category 4
<b>Acute toxicity (inhalation):</b>	Category 4
<b>Acute toxicity (dermal):</b>	Category 4
<b>Eye irritant:</b>	Category 2A
<b>Skin irritant:</b>	Category 2
<b>Specific target organ toxicity: Repeated exposure, kidney</b>	Category 2

<b>Pictogram:</b>	Hazard symbols: 
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<b>Signal word:</b>	WARNING.
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## Hazard statements

<b>H227</b>	Combustible liquid.
<b>H302</b>	Harmful if swallowed.
<b>H312</b>	Harmful in contact with skin.
<b>H315</b>	Causes skin irritation.
<b>H319</b>	Causes serious eye irritation.
<b>H332</b>	Harmful if inhaled.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.

## Precautionary statements

### Prevention

<b>P210</b>	Keep away from heat/sparks/open flames/hot surfaces. <b>No smoking.</b>
<b>P260</b>	Do not breathe dust/fume/gas/mist/vapours/spray
<b>P264</b>	Wash skin thoroughly after handling.
<b>P270</b>	Do not eat, drink or smoke when using this product.
<b>P271</b>	Use only outdoors or in a well-ventilated area.
<b>P281</b>	Use personal protective equipment as required.

### Response

<b>P301+330+331</b>	<b>If swallowed:</b> <ul style="list-style-type: none"><li>• Rinse mouth.</li><li>• <b>Do not</b> induce vomiting.</li></ul>
<b>P314</b>	Get medical advice if you feel unwell.
<b>P302 + P352</b>	<b>If on skin:</b> <ul style="list-style-type: none"><li>• Wash with plenty of soap and water.</li></ul>
<b>P362</b>	Take off contaminated clothing and wash before reuse.
<b>P305 + P351 + P338</b>	<b>If in eyes:</b> <ul style="list-style-type: none"><li>• Rinse cautiously with water for several minutes.</li><li>• Remove contact lenses, if present and easy to do.</li><li>• Continue rinsing.</li></ul>
<b>P337 + P313</b>	<b>If eye irritation persists:</b> <ul style="list-style-type: none"><li>• Get medical advice/ attention.</li></ul>
<b>Storage:</b>	<ul style="list-style-type: none"><li>• Normal ambient temperature.</li><li>• Keep from freezing.</li><li>• Store above 0 °C (32 °F).</li></ul>
<b>Disposal:</b>	
<b>P501</b>	<ul style="list-style-type: none"><li>• Dispose of contents/container to an approved waste disposal plant.</li></ul>

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**Section 3****Composition/Information on Ingredients**

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**1. Chemical name:** Butyl Glycol Ether

**CAS No:** 111-76-2

**EC-No:** 203-905-0

**% :** 6

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**2. Chemical name:** Distilled Water

**CAS No:** 7732-18-5

**EC-No:** 231-791-2

**% :** 93

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**3. Chemical name:** Ethylene Glycol\*

**CAS No:** 107-21-1

**EC-No:** 203-473-3

**% :** 1

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**4. Chemical name:** Aerosol OT Solution

**CAS No:** 577-11-7

**EC-No:** 209-406-4

**% :** Trace

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**5. Chemical name:** Green Dye

**CAS No:** 19381-50-1

**EC-No:** 243-010-2

**% :** < 0.1

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**6. Chemical name:** Green dye

**CAS No:** 518-47-8

**EC-No:** 231-791-2

**% :** < 0.1

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**7. Chemical name:** Sodium Bicarbonate

**CAS No:** 144-55-8

**EC-No:** 205-633-8

**% :** < 0.1

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\* This component is listed as a SARA Title III Section 313 toxic chemical and is identified as a hemolytic agent.

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## Section 4

## First Aid Measures

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<b>Eye contact:</b>	<ul style="list-style-type: none"><li>• Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open.</li><li>• Get medical attention if irritation persists.</li></ul>
<b>Skin contact:</b>	<ul style="list-style-type: none"><li>• Remove contaminated clothing and wash off skin with soap and water.</li><li>• Wash contaminated clothes.</li><li>• If irritation develops, contact a physician.</li></ul>
<b>Inhalation:</b>	Not a respiratory irritant.
<b>Ingestion:</b>	<ul style="list-style-type: none"><li>• Rinse mouth with water.</li><li>• <b>Do not</b> induce vomiting.</li><li>• Seek immediate medical advice/attention.</li></ul>

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## Section 5

## Fire Fighting Measures

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<b>Extinguishable media</b>	Mixture is a non-flammable water based liquid.
<b>Special hazards arising from the substance or mixture:</b>	<ul style="list-style-type: none"><li>• This product has been determined to be a flammable liquid.</li><li>• May accumulate electrostatic charge and ignite or explode.</li><li>• Vapors may travel along the ground and be moved by ventilation and ignited by many sources pilot lights, sparks, electric motors, static discharge or other ignition sources at locations distant from material handling.</li><li>• Flashback can occur along the vapor trail.</li></ul>
<b>Flammable properties:</b>	Not applicable.
<b>Fire/explosion:</b>	
<b>Advice for firefighters:</b>	Not applicable.
<b>Further information:</b>	Not applicable.
<b>Combustion products:</b>	

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## Section 6

## Accidental Release Measures

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<b>Personal precautions, protective equipment, and emergency procedures:</b>	<ul style="list-style-type: none"><li>• No particular emergency procedures are required.</li><li>• Do not get material on skin or clothing.</li></ul>
<b>Environmental precautions:</b>	Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers, or waterways.

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**Methods and materials for containment and clean up:**

- Cover drains and contain spill.
- Cover spill with a large quantity of inert absorbent (for example: sand, earth, diatomaceous earth, vermiculite).
- Do not use combustible material such as sawdust.
- Shovel or sweep up material and place into an approved container for proper disposal.
- Do not allow material or runoff from rinsing contaminated areas to enter floor drains or storm drains and ditches that lead to waterways.
- Dispose of according to state and federal regulations.

**Waste disposal:**

Place in an appropriate disposal facility in compliance with federal, state, and local regulations, (see **Section 13**).

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## Section 7

## Handling and Storage

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**Precautions for safe handling:**

- Skin and eye contact should be avoided as good industrial practice.
- Wearing of protective gloves and eye protection is recommended.
- Wash hands and contaminated skin area after handling.
- Use only with adequate ventilation.
- Follow all warnings and precautions even after container is emptied.
- Wash thoroughly after handling or at the end of the shift.
- Handle in accordance with good industrial hygiene and safety practices.

**Conditions for safe storage:**

- Store in tightly closed containers in a dry, well ventilated area.
  - Keep container tightly closed and upright when not in use, should not be opened until ready for use.
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## Section 8

## Exposure Controls/Personal Protection

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### Control parameters

<b>CAS Number:</b>	111-76-2
<b>Ingredient:</b>	2- butoxyethanol
<b>OSHA/PEL:</b>	50 ppm 240 mg/m <sup>3</sup>
<b>ACGIH TLV:</b>	(8-hour) 20 ppm

<b>CAS Number:</b>	107-21-1
<b>Ingredient:</b>	Ethylene Glycol
<b>OSHA/PEL: CEIL:</b>	100 mg/m <sup>3</sup>
<b>ACGIH TLV: STEL:</b>	50 ppm

### Exposure Controls

**Engineering Measures:** General (mechanical) room ventilation is generally satisfactory.

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<b>Individual protection measures:</b>	<ul style="list-style-type: none"> <li>Wear protective clothing to prevent repeated or prolonged contact with product.</li> <li>Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substance handled.</li> <li>The chemical resistance of the protective equipment should be inquired at the representative supplier.</li> </ul>
<b>Hygiene measures:</b>	<ul style="list-style-type: none"> <li>Facilities storing or using this material should be equipped with an eyewash station and safety shower.</li> <li>Change contaminated clothing .</li> <li>Preventative skin protection is recommended.</li> <li>Wash hands thoroughly after use, before eating, drinking or using lavatory.</li> </ul>
<b>Eye/face protection:</b>	<ul style="list-style-type: none"> <li>Wear protective goggles or safety glasses with non-perforated side shields and face shield.</li> <li>Refer to 29 CFR 1910.133, ANSI Z87.4 or Standard EN 166.</li> </ul>
<b>Hand protection:</b>	<ul style="list-style-type: none"> <li>Wear gloves recommended by glove supplier for protection against materials in <b>Section 3</b>.</li> <li>Glove should be impermeable to chemicals and oil.</li> <li>Breakthrough time should be greater than the intended use period.</li> </ul>
<b>Respiratory protection:</b>	<ul style="list-style-type: none"> <li>Not typically required.</li> <li>If exposure exceeds permissible exposure limits wear a self-contained breathing apparatus.</li> <li>Always use approved respirator when vapor/aerosols are generated.</li> <li>Where risk assessment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.</li> <li>If the respirator is the sole means of protection, use a full-face supplied air respirator.</li> <li>Use respirators and components tested and approved under the appropriate government standards such as NIOSH (US) or CEN (EU).</li> </ul>
<b>Additional protective clothing or equipment:</b>	<ul style="list-style-type: none"> <li>Boots, aprons, or chemical suits should be used when necessary to prevent skin contact.</li> <li>Eye wash fountains and safety showers should be available for emergency use.</li> </ul>

## Section 9

## Physical and Chemical Properties

<b>Appearance:</b>	Green color.
<b>Form:</b>	Liquid.
<b>Odor:</b>	Mild.
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	Data unavailable.
<b>Freezing/melting point, range:</b>	0 °C (32 °F)
<b>Initial Boiling point:</b>	100 °C (211 °F)
<b>Evaporation rate:</b>	Data unavailable.
<b>Flammability (solid, gas) :</b>	Not applicable.
<b>Flammability:</b>	Non-flammable.

<b>Flash point:</b>	Not applicable.
<b>Autoignition temperature:</b>	Not applicable.
<b>Decomposition temperature:</b>	No data available.
<b>Lower explosive limit (LEL):</b>	Not applicable.
<b>Upper explosive limit:</b>	Not applicable.
<b>Vapor pressure:</b>	20 at (20 °C)
<b>Vapor density:</b>	<1, (air=1)
<b>Specific gravity:</b>	0.9982 at 20 °C, (H <sub>2</sub> O)
<b>Viscosity:</b>	Data unavailable.
<b>Solubility in water:</b>	Completely miscible.
<b>Reactivity in water:</b>	0
<b>Partition coefficient: n-Octanol/water:</b>	Data unavailable.
<b>Volatiles by volume at 21 °C:</b>	Data unavailable.
<b>V.O.C.</b>	Not established.
<b>Other data:</b>	No data available.

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## Section 10 Stability and Reactivity

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<b>Reactivity:</b>	Stable at normal ambient temperature and ordinary conditions.
<b>Chemical stability:</b>	No decomposition if stored and applied as directed.
<b>Conditions to avoid:</b>	Not applicable.
<b>Incompatible materials (Materials to avoid):</b>	Not applicable.
<b>Hazardous decomposition products:</b>	Not applicable.
<b>Hazardous polymerization:</b>	Will not occur.

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## Section 11 Toxicological Information

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<b>Acute toxicity:</b>	Not applicable.
<b>Inhalation</b>	
<b>Acute Effects:</b>	Not applicable.
<b>Chronic Effects:</b>	Not applicable.
<b>Skin corrosion/irritation</b>	
<b>Skin contact:</b>	May cause skin irritation.
<b>Prolonged or repeated exposures:</b>	Produces skin irritation.
<b>Eye irritation/corrosion:</b>	
<b>Sensitization:</b>	No data available.

<b>Genotoxicity in vitro:</b>	Not established.
<b>Mutagenicity:</b>	Not indicated.
<b>Reproductive toxicity:</b>	No data available.
<b>Specific target organ toxicity – single exposure:</b>	No data available.
<b>Specific target organ toxicity – repeated exposure:</b>	No data available.
<b>Aspiration hazard:</b>	No data available.

### Carcinogen or potential carcinogen

<b>National Toxicology Program:</b>	No.
<b>I.A.R.C Monographs:</b>	No.
<b>OSHA:</b>	No.

<b>Further information:</b>	<b>Reproductive effects:</b> <ul style="list-style-type: none"> <li>• Does not impair fertility.</li> <li>• Not a developmental toxicant.</li> </ul>
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## Section 12 Ecological Information

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<b>Toxicity:</b>	Liquid not considered harmful to aquatic life.
<b>Persistent and degrade in the environment:</b>	Not provided.
<b>Bioaccumulative potential:</b>	Not provided.
<b>Mobility in soil:</b>	Not provided.
<b>Results of PBT and vPvB assessment:</b>	Not provided.
<b>Other adverse effects:</b>	<ul style="list-style-type: none"> <li>• Additional ecological information: do not allow material to run into surface waters, wastewaters, or soil.</li> <li>• An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.</li> </ul>



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## Section 13

## Disposal Considerations

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### Waste treatment methods/disposal methods:

- The generation of waste should be avoided or minimized whenever possible.
- Empty containers or liners may retain some product residues.
- This material and its container must be disposed of in a safe way.
- Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
- Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
- Contact a licensed professional waste disposal service to dispose of this material along with any containment and cleanup materials.

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### Hazard waste:

- Not considered a hazardous substance.
- Dispose of all cleanup materials in accordance with all local, state, and federal regulations.

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## Section 14

## Transport Information

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Proper Shipping Name: Not regulated.

Hazard Class or Division: 3

Identification Number: NA1993

Packing Group: III

IATA/ICAO: Not regulated.

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## Section 15

## Regulatory Information

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### Safety, health and environmental regulations specific for substances or mixtures

#### US Federal Regulations

**TSCA (Toxic Substance Control Act)** All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements.

**SARA Section 302 Extremely Hazardous Substances (EHS):** This product does not contain any components regulated under Section 302 (40 CFR 355) as Extremely Hazardous Substances.

**SARA Section 304 CERCLA Hazardous Substances:** This product does not contain any components regulated under section 304 (40 CFR 370) as hazardous chemicals for emergency release.

**SARA Section 311/312 Hazard Communication Standard (HCS):** This product is regulated under Section 311/312 HCS (40 CFR 370) as:

- Delayed health hazard.
- Fire Hazard.
- Immediate Health Hazard.

**SARA Section 313 Toxic Chemical List (TCL):** This product contains Butyl Glycol Ether.

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**Clean Water Act (CWA) – Priority Pollutants** Not Provided.

**US State Regulations:**

**California Proposition 65:** Not provided.

**International Regulations:** Not provided.

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## **Section 16 Other Information**

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**This product is for industrial and laboratory use only.**

- Do not store in open, unlabeled or mislabeled containers.
  - Store in cool, dry place with adequate ventilation.
  - Keep away from flames and high temperatures.
  - For personal hygiene protection, we recommend that employees wash thoroughly after handling product.
  - Always wash up before eating, smoking, and using toilet facilities.
  - Keep out of reach of children.
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- HMIS® rating: HEALTH - 0 FLAMMABILITY - 0 REACTIVITY - 0
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