

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : ENVERROS GRAFFITI WIPES

Other means of identification : Not applicable

Recommended use : Surface cleaner

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.  
370 N. Wabasha Street  
St. Paul, Minnesota USA 55102  
1-800-352-5326

Emergency telephone : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 10/03/2014

**SECTION 2. HAZARDS IDENTIFICATION**
**GHS Classification**

Flammable liquids : Category 2

Skin irritation : Category 2

Eye irritation : Category 2B

Specific target organ systemic toxicity - single exposure : Category 3 (Central nervous system)

**GHS Label element**

Hazard pictograms :



Signal Word : Danger

Hazard Statements : Highly flammable liquid and vapor.  
Causes skin and eye irritation.  
May cause drowsiness or dizziness.

Precautionary Statements : **Prevention:**  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection.

**Response:**  
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/ physician if you feel unwell. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

### Storage:

Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

### Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Other hazards : None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

| Chemical Name                     | CAS-No.   | Concentration (%) |
|-----------------------------------|-----------|-------------------|
| pentanedioic acid, dimethyl ester | 1119-40-0 | 10 - 30           |
| 1-methoxy-2-propanol              | 107-98-2  | 10 - 30           |
| 2-butoxyethanol                   | 111-76-2  | 5 - 10            |
| acetone                           | 67-64-1   | 5 - 10            |
| pentyl acetate                    | 628-63-7  | 1 - 5             |

## SECTION 4. FIRST AID MEASURES

- In case of eye contact : Rinse with plenty of water.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Get medical attention if irritation develops and persists.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.

See toxicological information (Section 11)

## SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Fire Hazard  
Keep away from heat and sources of ignition.  
Flash back possible over considerable distance.  
Beware of vapors accumulating to form explosive concentrations.  
Vapors can accumulate in low areas.

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- Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides  
Nitrogen oxides (NOx)  
Sulfur oxides  
Oxides of phosphorus
- Special protective equipment for fire-fighters : Use personal protective equipment.
- Specific extinguishing methods : Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid contact with skin and eyes. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Wash hands thoroughly after handling.
- Conditions for safe storage : Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
- Storage temperature : 10 °C to 45 °C

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Ingredients          | CAS-No.  | Form of exposure | Permissible concentration        | Basis     |
|----------------------|----------|------------------|----------------------------------|-----------|
| 1-methoxy-2-propanol | 107-98-2 | TWA              | 50 ppm                           | ACGIH     |
|                      |          | STEL             | 100 ppm                          | ACGIH     |
|                      |          | STEL             | 150 ppm<br>540 mg/m <sup>3</sup> | NIOSH REL |
|                      |          | TWA              | 100 ppm<br>360 mg/m <sup>3</sup> | NIOSH REL |

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|                 |          |      |                                      |           |
|-----------------|----------|------|--------------------------------------|-----------|
| 2-butoxyethanol | 111-76-2 | TWA  | 20 ppm                               | ACGIH     |
|                 |          | TWA  | 5 ppm<br>24 mg/m <sup>3</sup>        | NIOSH REL |
|                 |          | TWA  | 50 ppm<br>240 mg/m <sup>3</sup>      | OSHA Z1   |
| acetone         | 67-64-1  | TWA  | 500 ppm                              | ACGIH     |
|                 |          | STEL | 750 ppm                              | ACGIH     |
|                 |          | TWA  | 250 ppm<br>590 mg/m <sup>3</sup>     | NIOSH REL |
|                 |          | TWA  | 1,000 ppm<br>2,400 mg/m <sup>3</sup> | OSHA Z1   |
| pentyl acetate  | 628-63-7 | TWA  | 100 ppm<br>525 mg/m <sup>3</sup>     | NIOSH REL |
|                 |          | TWA  | 100 ppm<br>525 mg/m <sup>3</sup>     | OSHA Z1   |

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : Wear the following personal protective equipment:  
Standard glove type.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : No special protective equipment required.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : clear, colorless

Odor : Floral

pH : 6.3 - 7.3, 100 %

Flash point : 17 °C closed cup, Sustains combustion

Odor Threshold : No data available

Melting point/freezing point : No data available

Initial boiling point and boiling range : 100 °C

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapor pressure : No data available

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|                                        |                     |
|----------------------------------------|---------------------|
| Relative vapor density                 | : No data available |
| Relative density                       | : 0.986 - 0.996     |
| Water solubility                       | : No data available |
| Solubility in other solvents           | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Autoignition temperature               | : No data available |
| Thermal decomposition                  | : No data available |
| Viscosity, kinematic                   | : No data available |
| Explosive properties                   | : No data available |
| Oxidizing properties                   | : No data available |
| Molecular weight                       | : No data available |
| VOC                                    | : No data available |

### SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical stability                 | : Stable under normal conditions.                                                                                                                |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use.                                                                                    |
| Conditions to avoid                | : Heat, flames and sparks.                                                                                                                       |
| Incompatible materials             | : Acids<br>Bases                                                                                                                                 |
| Hazardous decomposition products   | : Decomposition products may include the following materials:<br>Carbon oxides<br>Nitrogen oxides (NOx)<br>Sulfur oxides<br>Oxides of phosphorus |

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

#### Potential Health Effects

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| Eyes             | : Causes eye irritation.                                      |
| Skin             | : Causes skin irritation.                                     |
| Ingestion        | : Health injuries are not known or expected under normal use. |
| Inhalation       | : Inhalation may cause central nervous system effects.        |
| Chronic Exposure | : Health injuries are not known or expected under normal use. |

#### Experience with human exposure

Eye contact : Redness, Irritation

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- Skin contact : Redness, Irritation
- Ingestion : No symptoms known or expected.
- Inhalation : Dizziness, Drowsiness

#### Toxicity

- Acute oral toxicity : Acute toxicity estimate > 5,000 mg/kg
- Acute inhalation toxicity : 4 h Acute toxicity estimate : 35.45 mg/l
- Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg
- Skin corrosion/irritation : No data available
- Serious eye damage/eye irritation : Mild eye irritation
- Respiratory or skin sensitization : No data available

#### Carcinogenicity

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

- Reproductive effects : No data available
- Germ cell mutagenicity : No data available
- Teratogenicity : No data available
- STOT-single exposure : No data available
- STOT-repeated exposure : No data available
- Aspiration toxicity : No data available

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Environmental Effects : Harmful to aquatic life.

#### Product

- Toxicity to fish : No data available
- Toxicity to daphnia and other aquatic invertebrates : No data available
- Toxicity to algae : No data available

#### Ingredients

- Toxicity to fish : 1-methoxy-2-propanol  
96 h LC50 Fish: > 1,000 mg/l
- 2-butoxyethanol  
96 h LC50: 1.474 mg/l



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acetone  
96 h LC50 Fish: 5,540 mg/l

### Ingredients

Toxicity to daphnia and other aquatic invertebrates : 2-butoxyethanol  
48 h EC50: 690 mg/l

### Ingredients

Toxicity to algae : 2-butoxyethanol  
72 h EC50: 911 mg/l

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

### Land transport (DOT)

UN number : 1263  
Description of the goods : Paint related material  
Class : 3  
Packing group : II  
Environmentally hazardous : no

### Sea transport (IMDG/IMO)

UN number : 1263  
Description of the goods : PAINT RELATED MATERIAL  
Class : 3  
Packing group : II  
Marine pollutant : no



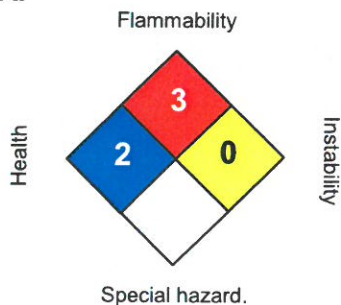


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### SECTION 16. OTHER INFORMATION

#### NFPA:



#### HMIS III:

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>2</b> |
| <b>FLAMMABILITY</b>    | <b>3</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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Version : 1.1  
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.