# Material Safety Data Sheet
# Nutrisorb SL

## SECTION 1. Chemical Product and Company Identification

**Trade Name:** **Nutrisorb SL**
**Grade:** Liquid
**CAS Registry Number:** n/a
**Product Use**: Fertilizer

**Manufactured for:**

**ECO+, Division of Ferti Technologies Inc.**
**560 Rhéaume**
**St-Michel (Québec)**
**CANADA**
**J0L 2J0**

**Date of first issue:** June 6, 2011
**Modification date:** March 31, 2014
**Responsible:** Jérémie Savard
**In case of emergency:** **CANUTEC: (613) 996-6666**
**CHEMTREC: 1-800-424-9300**

## SECTION 2. Composition/Information on Ingredients

| Hazardous Material: | CAS Number | % by weight | OSHA Permissible Limit Exposure |
|---|---|---|---|
| **Additional Ingredients:** | **CAS Number** | | |
| Carboxylic Acids | 526-95-4 99-96-7 | | |

## SECTION 3. Hazards Identification

**This product has been classified according to the hazard criteria of CPR and this MSDS contain all the information required by the CPR**

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|---|---|
| **Emergency Overview:** | **No significant immediate hazards for emergency responses are known.** |
| **CAUTION:** | **Contact with dust may cause discomfort and/or mild irritation to skin, eyes, nose and lungs. Avoid breathing dust.**<br>**Do not ingest. May irritate mouth, stomach, etc.** |
| **Physical state (25$^0$C/77$^0$F):** | **Dark brown slight ammonia odour** |

## SECTION 4. First Aid Measures

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|---|---|
| **Inhalation:** | Bring subject to a well ventilated area. Contact a physician if symptoms persist. |
| **Skin:** | Wash with plenty of water. |
| **Eyes:** | Flush eyes with large quantities of running water for a minimum of 15 minutes. Remove contact lenses. Rinse the entire surface of the eye and lid with water. Call a physician if eye irritation occurs. |
| **Ingestion:** | Harmfull if swallowed. Seek medical care. Do not induce vomiting. |

## SECTION 5. Fire Fighting Measures

| | |
|---|---|
| **Flammability limits in** | **Air** (%): n/a **UEL**: n/a **LEL**: n/a |
| **Fire extinguishing media:** | Use media appropriate to surrounding fire. |
| **Fire fighting procedures:** | Use a stream of water to cool containers and surfaces exposed to fire and to dissipate vapours. Use a self-contained respirator. |
| **Other fire or explosion Hazards:** | This material is not flammable, combustible nor explosive |

## SECTION 6. Accidental Release Measures

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| **Small release:** | Stop leak or spill. Collect for re-use. Contain runoff by diking. Prevent spills from entering water courses, basement or closed area. Wear appropriate personal protective equipment for cleanup. |
| **Release to water:** | Reclaim as much product as possible to avoid further contamination. |

## SECTION 7. Handling and Storage

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|---|---|
| **Handling:** | Wear suitable personal protective equipment. Avoid inhalation and prolonged or repeated contact with eyes and skin. |
| **Storage:** | Store in a dry, ventilated area, away from food and seed. Keep at ambient temperature. Keep out of reach of children. |

## SECTION 8. Exposure Controls and Personal Protection

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|---|---|
| **Exposure limits:** | n/a |
| **Personal protection:** | Skin contact with the product should be prevented with the use of appropriate protective clothing and gloves (nitrile gloves are recommended). Wear safety glasses with side-shields to avoid eye contact. |

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|---|---|
| **Respiratory:** | If dust is generated, use a NIOSH-approved respiratory mask. |
| **Ventilation:** | Provide good ventilation if dusty conditions prevails. |

## SECTION 9. Physical and Chemical Properties

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|---|---|
| **Physical state:** | Liquid |
| **Appearance** | Dark Brown |
| **Odour:** | Slight ammonia odour |
| **Melting point (°C/°F):** | **n/a** |
| **Bulk Density:** | 1.15 - 1.17 kg/l |
| **Solubility:** | Soluble in water |
| **pH:** | 6.5-7 |

## SECTION 10. Stability and Reactivity

| | |
|---|---|
| **Under Normal Conditions:** | Stable |
| **Under Fire Conditions:** | Stable |
| **Hazardous Polymerization:** | Will not occur |
| **Conditions to Avoid:** | Extreme temperatures |
| **Materials to Avoid:** | Strong oxidizing agents, chlorates, hypochlorites |
| **Hazardous Decomposition or Combustion Products:** | This material is not flammable, combustible nor explosive |

## SECTION 11. Toxicological information

| | |
|---|---|
| **Recommended Exposure Limit:** | None recommended for this product |
| **Toxicological Data:** | None known |
| **Carcinogenicity Data:** | Ingredients of this products are not listed as carcinogens by OSHA or NTP and are not rated by IARC or ACGIH. |
| **Reproductive Effects**: | No data available |
| **Mutagenicity Data:** | No data available |
| **Teratogenicity Data:** | No data available |
| **Synergistic Materials:** | None known |

**Effects of exposure when**

| | |
|---|---|
| **Inhaled:** | Dust is irritating to nose, throat and respiratory tract. May cause coughing or sneezing. |
| **In contact with the skin:** | Prolonged and repeated contact may cause mild irritation. |
| **In contact with the eyes**: | Dust may cause mild irritation and due to abrasiveness may cause eye damage if untreated. |
| **Ingested:** | Ingestion may cause gastrointestinal upset, abdominal pain and diarrhea. |
| **Other health effects:** | High concentration of urea in the blood increases the risk of glaucoma. |

## SECTION 12. Ecological information

This product is a vegetal extract without any evidence toxicology

**Deactivating chemical:** None required

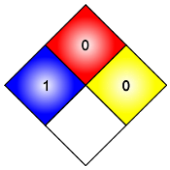
## SECTION 13. Disposal considerations

Suitable for use as agricultural/horticultural fertilizer. Consult local authorities. **Do not dispose of waste with normal garbage or into water systems**.

## SECTION 14. Transport Information

**DOT/TDG Classification** Not controlled under DOT (USA) or TDG (Canada).

## SECTION 15. Regulatory Information

| NFPA Classification | Transport | WHMIS Classification | Protective clothing |
|---|---|---|---|
|   | **DOT** Not regulated | Not regulated |  |
| **Health hazard**:1(Slightly hazardous)<br>**Fire hazard**: 0 (Will not burn)<br>**Instability hazard**: 0 (Stable)<br>**Specific hazard**: None | **TMD** Not regulated | | |

## SECTION 16. Other Informations

References : Commission de la santé et de la sécurité au travail, http://www.reptox.csst.qc.ca
United States Department of labor, Occupational Safety and Health Administration, http://www.osha.gov/
Report on Carcinogens, Eleventh Edition; U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program. http://ntp.niehs.nih.gov/index.cfm?objectid=32BA9724-F1F6-975E-7FCE50709CB4C932
List IARC Carcinogenic Agents 2010, International Agency for Research on Cancer, http://monographs.iarc.fr/ENG/Classification/Listagentsalphorder.pdf
Material Safety Data Sheet from our suppliers

Definitions of abbreviations:

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS | Chemical Abstract Service |
| DOT | Department of Transportation |
| IARC | International Agency for Research on Cancer |
| LEL | Lower Explosive Limit for Flammable Gases and Vapor |
| NFPA | National Fire Protection Association |
| NIOSH | National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program |
| OSHA | Occupational Safety and Health Administration |
| TDG | Transport of Dangerous Goods |
| UEL | Upper Explosive Limit for Flammable Gases and Vapor |
| WHMIS | Workplace Hazardous Materials Information System |

**NOTICE:** The information presented herein is based on data considered to be accurate as of the date of preparation of this document. However, no warranty or representation expressed or implied, is made to the accuracy or completeness of the foregoing data and safety information.