

| | MATERIAL SAFETY DATA SHEET | | |
|--|---|--|--|
| 1. Product and Company I | dentification | | |
| Material name | ecoAgra, eA300 | | |
| Version Issue date | # 01 07-20-2012 | | |
| Revision date - | 07-20-2012 | | |
| Supersedes date - | | | |
| Chemical description | BIOBASED ingredients | | |
| CAS # Mixture | | | |
| Product use | Applied to Field Crops, Vegetables, Fruits, Greenhouse Plants, Trees, Shrubs, Grass | | |
| Manufacturer/Supplier | House Plants and Produce Washing. | | |
| Manufacturen/Supplier | ecoSolv Technologies LLC 63 Klema Drive East, Reynoldsburg, Ohio 43068 | | |
| | info@ecosolv.com | | |
| | Contact Person: Robert L. Davis or Alan Parker | | |
| Telephone number | 757-436-9266 | | |
| Emergency | Emergency Telephone Number 757-436-9266 | | |
| 2. Hazards Identification | | | |
| Physical state | Liquid. | | |
| Appearance | Slightly viscous, clear yellow liquid. | | |
| Emergency overview OSHA regulatory status | Health injuries are not known or expected under normal use. This product is not hazardous according to OSHA 29CFR 1910.1200. | | |
| Potential health effects | | | |
| Routes of exposure | Eye contact. Inhalation. | | |
| Eyes | May cause eye irritation on direct contact. | | |
| Skin | Prolonged skin contact may cause irritation. | | |
| Inhalation Ingestion | Inhalation of high concentrations may result in transient irritation and coughing. Ingestion may cause irritation and malaise. | | |
| Target organs | Eyes. Skin. Respiratory system. | | |
| Chronic effects | Prolonged contact may cause dryness of the skin. | | |
| Signs and symptoms | Irritant effects. Irritation of eyes and mucous membranes. | | |
| Potential environmental effects | The product is not classified as environmentally hazardous. However, this does not | | |
| | exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. | | |
| 2. Composition / Informati | en en Ingradiente | | |
| 3. Composition / Informati | nts as hazardous according to OSHA 29 CFR 1910.1200. | | |
| Composition comments | Product Ingredients: Made from renewable resources. Non-ionic surfactant, | | |
| | corn, soy, tall oil fatty acids, organic alcohol and water. | | |
| 4. First Aid Measures | | | |
| First aid procedures | | | |
| Eye contact | Flush thoroughly with water. If irritation occurs, get medical assistance. | | |
| Skin contact | Wash with soap and water. Get medical attention if irritation develops and persists. | | |
| Inhalation | Move to fresh air. Call a physician if symptoms develop or persist. | | |
| Ingestion Notes to physician | Not expected to be harmful in amounts likely to be ingested by accident. Treat symptomatically. | | |
| General advice | Get medical attention if any discomfort develops. | | |
| 5. Fire Fighting Measures | | | |
| Flammable properties | The product is non-combustible. | | |
| Extinguishing media | | | |
| Suitable extinguishing media | Dry chemical, foam, carbon dioxide. | | |
| | Do not use water jet as an extinguisher, as this will spread the fire. | | |
| Protection of firefighters Specific hazards arising from th | e chemical | | |
| Thermal decomposition may produce smoke, oxides of carbon and lower molecular weight | | | |
| organic compounds whose composition have not been characterized. | | | |
| Protective equipment and precautions for firefighters | | | |
| Self-contained breathing apparatus and full protective clothing must be worn in case of fire. | | | |
| Fire fighting equipment/instruct | | | |
| Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out. | | | |
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ecoAgra, eA300 CPH MSDS NA 909654 Version #: 01 Revision date: -

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| 6. Accidental Release Meas | 6. Accidental Release Measures | | | | |
|---|---|--|--|--|--|
| Personal precautions Environmental precautions Methods for cleaning up Other information | Ensure adequate ventilation. For personal protection, see section 8 of the MSDS. Prevent further leakage or spillage if safe to do so. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small Spills: Absorb spillage with non-combustible, absorbent material. Wash area with soap and water. Clean up in accordance with all applicable regulations. | | | | |
| 7. Handling and Storage | | | | | |
| Handling | Avoid contact with eyes and prolonged skin contact. Observe good industrial hygiene practices. | | | | |
| Storage | Store in a cool and well-ventilated place. Store away from incompatible materials. | | | | |
| 8. Exposure Controls / Personal Protection | | | | | |
| Occupational exposure limits Engineering controls Personal protective equipment | No exposure limits noted for ingredient(s). Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. | | | | |
| Eye / face protection | If risk of splashing, wear safety goggles or face shield. | | | | |
| Skin protection | Wear protective gloves. Rubber, neoprene or PVC gloves are recommended. Suitable gloves can be recommended by the glove supplier. Wear suitable protective clothing. | | | | |
| Respiratory protection | No personal respiratory protective equipment normally required. Seek advice from local supervisor. | | | | |
| General hygiene considerations | Wash hands after handling. Handle in accordance with good industrial hygiene and safety practice. Follow up on any medical surveillance requirements. | | | | |

9. Physical & Chemical Properties

| 9. Physical & Chemical P | roperties |
|------------------------------|--|
| Appearance | Slightly viscous, clear yellow liquid. |
| Physical state | Liquid. |
| Form | Slightly viscous. |
| Color | Clear yellow. |
| Odor | Faint. |
| Odor threshold | Not available. |
| рН | 9.7 |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Boiling point | 214.4 °F (101.3 °C) |
| Melting point/Freezing point | Not available. |
| Solubility (water) | Complete. |
| Specific gravity | Not available. |
| Flash point | > 200 °F (> 93.3 °C) |
| Flammability limits in air, | |
| upper, % by volume | Not available. |
| Flammability limits in air, | |
| lower, % by volume | Not available. |
| Auto-ignition temperature | Not available. |
| VOC | 172 g/l |
| Bulk density | Not applicable. |
| Other data | |
| Explosive properties | Not explosive. |
| Flash point class | Combustible IIIB |
| Oxidizing properties | Not oxidizing. |
| | |
| 10. Chemical Stability & F | Reactivity Information |

10. Chemical Stability & Reactivity Information

Chemical stability Conditions to avoid Incompatible materials Hazardous decomposition products Possibility of hazardous Stable at normal conditions. High temperatures. Exposure to light. Contact with incompatible materials. Strong oxidizing agents. Carbon oxides. Nitrogen oxides.

CPH MSDS NA



reactions

Hazardous reactions do not occur.

| 11. Toxicological Informati | on | | | |
|---|---|--|--|--|
| Sensitization Acute effects | No test data available for the product. May form vapors or oil mists during mechanical action or at elevated temperatures which may be irritating to respiratory tract. Contact with eyes may cause irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and | | | |
| Local effects Chronic effects | | | | |
| Carcinogenicity | dermatitis. Not classified by IARC, ACGIH, NTP or OSHA. | | | |
| Epidemiology Mutagenicity | No epidemiological data is available for this product. There is no data to indicate that any component present at greater than 0.1% may present a risk. | | | |
| Reproductive effects Further information | I | | | |
| 12. Ecological Information | | | | |
| Ecotoxicity Environmental effects | Oil spills are generally hazardous to the environment. An environmental hazard cannot be excluded in the event of unprofessional handl or disposal. | | | |
| Aquatic toxicity Persistence and degradability Bioaccumulation / | Not expected to be harmful to aquatic organisms. The product is readily biodegradable. | | | |
| Accumulation Mobility in environmental | Not available. | | | |
| media | The product is miscible with water. May spread in water systems. | | | |
| 13. Disposal Consideration | IS | | | |
| Waste codes Disposal instructions Waste from residues / unused | Not regulated. Dispose in accordance with all applicable regulations. | | | |
| products | Dispose of in accordance with local regulations. Follow all applicable MARPOL requirements for disposal of waste, when transporting materials by vessel. | | | |
| 14. Transport Information | | | | |
| DOT | Not regulated as a hazardous material by DOT. | | | |
| | Not regulated as dangerous goods. | | | |
| IMDG | Not regulated as dangerous goods. | | | |
| TDG | Not regulated as dangerous goods. | | | |
| 15. Regulatory Information | | | | |
| US federal regulations | This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List. | | | |
| TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) | | | | |
| Not regulated. Clean Air Act (CAA) Section 112 Not regulated. | Hazardous Air Pollutants (HAPs) List | | | |
| CERCLA (Superfund) reportable quantity (Ibs) (40 CFR 302.4) None | | | | |
| Superfund Amendments and Real Immediate Hazard - | authorization Act of 1986 (SARA)Hazard categories No | | | |
| Delayed Hazard - | No | | | |
| Fire Hazard - Pressure Hazard - | No No | | | |
| Reactivity Hazard - | No | | | |
| Section 302 extremely hazardous substance (40CFR 355, Appendix A) No | | | | |
| Section 311/312 (40 CFR 370) No | | | | |
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| | created by nature 🥬 | | | | |
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| ecosol | | 10 | | | |
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| Technologies LLC | | | | | |
| www.ecosolv.com | | perfected by science | | | |
| Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) Not controlled | | | | | |
| Canadian regulations | This product has been classified in accordance with the hazard criteria of the CPR | | | | |
| | and the MSDS contains all the information required by the CPR. | | | | |
| WHMIS status | Non-controlled | | | | |
| Inventory status | | | | | |
| Country(s) or region | Inventory name | On inventory (yes/no)* | | | |
| Canada Canada | Domestic Substances List (DSL) Non-Domestic Substances List (NDSL) | Yes No | | | |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes | | | |
| | lies with the inventory requirements administered by the governing country(s) | | | | |
| State regulations | This product does not contain a chemical known to the State of California to cause | | | | |
| | cancer, birth defects or other reproductive harm. | | | | |
| US - California Proposition 65 - Not listed. | Carcinogens & Reproductive Toxicity (CRT): List | ed substance | | | |
| US. Massachusetts RTK - Subs Not regulated. | tance List | | | | |
| US. New Jersey Worker and Co Not regulated. | mmunity Right-to-Know Act | | | | |
| US. Pennsylvania RTK - Hazard Not regulated. | ous Substances | | | | |
| Mexico regulations This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000). | | | | | |
| 16. Other Information | | | | | |
| Other information | ACGIH: American Conference of Industrial Hygienists. IARC: International Agency for Research on Cancer. NTP: National Toxicology Program. OSHA: Occupational Safety and Health Administration. WHMIS: Workplace Hazardous Materials Information System. | | | | |
| HMIS® ratings | | | | | |
| Health: | 0 | | | | |
| Flammability: | 0 | | | | |
| Physical hazard: | 0 | | | | |
| NFPA ratings | | | | | |
| Health: | 0 | | | | |
| Flammability: | 0 | | | | |
| Instability: | 0 | | | | |

Disclaimer: The information in the sheet was written based on the best knowledge and experience currently available