

SAFETY DATA SHEET - ENVIROSOAK LIQUID

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ENVIROSOAK LIQUID SOIL WETTER

Recommended use : Soil Wetting Agent

Restrictions on use : .None Allocated

Company : StrataGreen
PO Box 3024
Lesmurdie
Western Australia 6076
A.B.N. 81 143 293 163
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Email: info@stratagreen.com.au
Web : www.stratagreen.com.au

Emergency telephone number : 0448 314 656
Poisons Information Centre 13 1126

Issuing date : 17 May 2018

Section: 2. HAZARDS IDENTIFICATION

Based on available information , this material is not classified as hazardous according to criteria of Safe Work Australia

PREVENTION Statements

P262: Do not get in eyes, on skin or on clothing
P264: Wash contacted areas thoroughly after handling.
P270: Do NOT eat, drink or smoke when using this product
P281: Use personal protective equipment as required.

RESPONSE Statements

None Allocated.

STORAGE Statements

P404 : Store in closed container.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion
Proprietary Surfactant Blend	-	10 - 30%
Other non hazardous ingredients		10 100%

Section: 4. FIRST AID MEASURES

In case of eye contact : Immediately flush the contaminated eye(s) with lukewarm, gentle flowing water for 5 minutes until the product is removed, while holding the eyelid(s) open. Obtain medical attention immediately if irritation occurs.

In case of skin contact : Wash off gently and thoroughly with water until the product is removed. Seek medical attention if irritation occurs.

If swallowed : Do NOT induce vomiting. Rinse mouth with water and contact a POISON INFORMATION CENTRE or call a doctor if symptoms develop..

Contact the Poison's Information Centre (Australia 13 1126; New Zealand

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0800 764 766).

- If inhaled : If unconscious place in recovery position and seek medical advice. If symptoms persist, call a doctor or physician.
- Notes to physician : Treat symptomatically.

Section: 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use dry chemical, alcohol resistant foam, water fog,
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include toxic and irritating fumes, smoke and gases including the such materials such as Carbon oxides, Nitrogen oxides, and amines
- Special protective equipment for firefighters : Use personal protective equipment. In large fires, Fire fighters should wear Self Contained Breathing Apparatus operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section: 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Spillage may be slippery. Wear appropriate personal protective equipment & clothing to prevent exposure
- Environmental precautions : Do not allow the product to enter drains or waterways.
- Methods and materials for containment and cleaning up : 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 : Do not breathe vapours. Avoid contact with skin & eyes.
For personal protection see Section 8.
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers and check regularly for leaks.
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Materials to avoid : Keep away from oxidizing agents, strong acids and bases.

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : Wear close fitting Safety glasses

Hand protection : Wear protective gloves with nitrile gloves being most suitable..
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Wear suitable protective clothing.

Respiratory protection : No personal respiratory protective equipment normally required.
Refer to AS/NZS 1715 and AS/NZS 1716 for selection, use and maintenance of respiratory protective equipment as applicable.

Hygiene measures : Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Avoid inhalation of vapour or mist. Ensure eyewash stations

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear liquid
Colour : Light Green
Odour : None
Flash point : Not flammable
pH : (20 °C) 6.0 – 7.0
Melting point : Not applicable
Initial boiling point and boiling range : 100°C
Evaporation rate : No data available
Flammability : Not Flammable
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : 2.37kPa @ 20°C (water)
Specific Gravity : 1.02 approx @ 20°C
Water solubility : Miscible with water
Auto-ignition temperature : no data available

Section: 10. STABILITY AND REACTIVITY

Chemical stability : Stable under normal conditions of transport storage, handling & useage.

Possibility of hazardous reactions : Reacts with incompatible materials

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Conditions to avoid	:	Heat, open flames and other sources of ignition. Protect from extreme heat and prevent from freezing.
Incompatible materials	:	.Strong oxidizing agents, strong acids and bases.
Hazardous decomposition products	:	Thermal decomposition products may result in the release of toxic an d/or irritating fumes including oxides of nitrogen carbon monoxide and carbon dioxide.:

Section: 11. TOXICOLOGICAL INFORMATION

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

Potential Health Effects based on human exposure

Eyes	:	No data available. May cause irritation and redness
Skin	:	May cause skin irritation and redness..
Ingestion	:	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Inhalation	:	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

No adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet and product label. Symptoms or effects may arise if the product is mishandled and overexposure occurs.

Acute Toxicity

Product

Acute oral toxicity	:	Based on ingredients: > 2000mg/kg
Acute inhalation toxicity	:	Based on ingredients: >20mg/litre
Acute dermal toxicity	:	Based on ingredients: > 2000mg/kg
Skin corrosion/irritation	:	Based on ingredients has possibility of being a skin corrosive and irritant.
Serious eye damage/eye irritation	:	Based on ingredients has possibility of eye damage and irritation
Respiratory or skin sensitization	:	Not expected to be a respiratory or skin sensitiser.
Aspiration toxicity	:	Not expected to be an aspiration hazard
STOT - single exposure	:	The material has been classified as non-hazardous

Chronic Toxicity : no data available

Carcinogenicity	:	Not considered to be a Carcinogenic hazard
Reproductive effects	:	Not considered to be toxic to reproduction
Germ cell mutagenicity	:	Not considered to be a mutagenic hazard.
STOT - repeated exposure	:	The material has been classified as non-hazardous.

Human Hazard Characterization

Based on our hazard characterization, the potential human hazard is: Low

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Section: 12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute aquatic toxicity:

Acute toxicity estimate based on ingredients: >100mg/L

Chronic aquatic toxicity:

Acute toxicity estimate based on ingredients: >100mg/L

Persistence and degradability

no data available

Mobility

no data available

Bioaccumulative potential

no data available

Environmental Protection

Prevent this material from entering waterways, drains and sewers.

ENVIRONMENTAL HAZARD AND EXPOSURE CHARACTERIZATION

Based on our hazard characterization, the potential environmental hazard is: Low

Section: 13. DISPOSAL CONSIDERATIONS

Disposal methods : 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

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

Air transport (IATA)

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

Sea transport (IMDG/IMO)

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

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Section: 15. REGULATORY INFORMATION

Standard for the Uniform : No poison schedule number allocated
Scheduling of Medicines and
Poisons

Australia. Industrial Chemical (Notification and Assessment) Act

All substances in this product comply with the National Industrial Chemicals Notification & Assessment Scheme (NICNAS).

Section: 16. OTHER INFORMATION

REFERENCES

Hazardous Substances Data Bank, National Library of Medicine, Bethesda, Maryland (TOMES CPS™ CD-ROM Version), Micromedex, Inc., Englewood, CO.

IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, Geneva: World Health Organization, International Agency for Research on Cancer.

Integrated Risk Information System, U.S. Environmental Protection Agency, Washington, D.C. (TOMES CPS™ CD-ROM Version),
Micromedex, Inc., Englewood, CO.

Annual Report on Carcinogens, National Toxicology Program, U.S. Department of Health and Human Services, Public Health Service.

Registry of Toxic Effects of Chemical Substances, National Institute for Occupational Safety and Health, Cincinnati, OH,
(TOMES CPS™ CD-ROM Version), Micromedex, Inc., Englewood, CO.

Revision Date : 17.05.2018
Date of first issue : 17.05.2018
Version Number : 1.0
Prepared By : Regulatory Affairs

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