

NATURAL EARTH PAINT

eco-friendly paint kits

SAFETY DATA SHEET

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

1. IDENTIFICATION

1.1 Product Identifier

Product Name: **Eco-solve**

Revision Date: 02.02.15

Supersedes Date: 01.04.13

1.2 Relevant Uses

Soy-based mixture; primary use – green additive for paints and coatings.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS-US classification

Not classified

2.2 Label elements

GHS - US labelling

No labeling applicable

2.3 Other hazards

None under normal conditions.

2.4 Unknown acute toxicity (GHS-US)

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable.

3.2 Mixture

Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200). All ingredients are trade secret as authorized by 29 CFR 1910.1200(i)

(1). Specific information will be made available to health-care professionals, employees or representatives as required by 29 CFR 1910.1200(i) (1) (iv) for medical evaluation of treatment.

4. FIRST AID MEASURES

4.1 Description of first aid measures

- First-aid measures general : If exposed or concerned, get medical attention. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing.
- First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes.
- First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.
- First-aid measures general : If exposed or concerned, get medical attention. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

4.2 More important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : May cause skin irritation.
- Symptoms/injuries after eye contact : May cause slight irritation.
- Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media : Foam; dry powder; arbon dioxide; water spray; sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

- Fire hazard : Rags soaked with product may present a fire or spontaneous combustion hazard as do all natural oils.

Explosion hazard : Product is not explosive.
Reactivity : No dangerous reactions known under normal use.

5.3 Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General measures : Specific emergency measures are required other than good laboratory hygiene and safety practices.

6.1.1 For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.
Emergency procedures : Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection; approved supplied-air respirator, in case of emergency.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations.

6.4 Reference to other sections

No additional information available.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures	: Stable (Shelf Life > 2 Years).
Storage conditions	: Store in dry, well-ventilated area. Keep container closed when not in use.
Incompatible materials	: Combustible materials.

7.3 Specific end use(s)

No additional information available

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls	: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	: Gloves; protective goggles.



Hand protection	: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. . Suitable gloves for this specific application can be recommended by the glove supplier.
Eye protection	: Use eye protection suitable to the environment. Avoid direct contact with eyes.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

10. STABILITY & REACTIVITY

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Ignition sources.

10.5. Incompatible materials

Acids. Strong oxidizers.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

11. TOXICOLOGICAL INFORMATION

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified pH: Human – A 24 hour human skin patch test indicated that undiluted material produced very mild irritation. Irritancy was less than that produced by a 4% aqueous soap solution.
Serious eye damage/irritation	: Not classified pH: Human – A 24 hour human skin patch test indicated that undiluted material produced very mild irritation. Irritancy was less than that produced by a 4% aqueous soap solution.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Not classified
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: May cause slight irritation.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology – general : Aquatic toxicity rating not determined. All possible measures should be taken to prevent release into the environment.

12.2. Persistence/degradability : Readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORTATION INFORMATION

In accordance with DOT : Not hazardous for transport.

DOT Proper Shipping Name : Not Listed

Transport by sea : Non-hazardous

Transport by air : Non-hazardous

IMDG Classification : None

Dangerous Goods (Canada) : Not listed

15. REGULATORY INFORMATION

15.1 US Federal Regulations

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory.

15.2 International Regulations

Chemical Inventories – In compliance denotes all components are on inventory or exempt.

U. S. (TSCA)	In Compliance	Canada (CEPA):	Listed on DSL.
Europe (EINECS):	Listed on EINECS	Japan (ENCS):	Listed on MITI
Australia (NOHSC):	In Compliance	Korea:	In Compliance
China:	In Compliance	Philippines:	In Compliance

15.3 Other Regulatory Information:

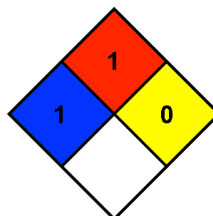
California Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

16. OTHER INFORMATION

Indication of changes : SDS conversion from MSDS
Revision Date : 3.2.15
Other information : Author: RMF

NFPA Rating



NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard : 1 - Must be preheated before ignition can occur.
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health : 1
Flammability : 1
Physical : 0
Personal Protection

Manufacturer Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product