



SAFETY DATA SHEET

1. Identification

Product Name:	Eco-Tuff IR Deck Coating	Product Identifier:	ET-8000
Emergency Phone #:	(602)305-9397	Revision Date:	10/14/19
Relevant Uses:	Deck Paint Coating	Supersedes Date:	New
Manufacturer: Eco Safety, Inc. 2921 W. Culver Street, #4B Phoenix, Arizona 85009 U.S.A. www.ecosafetyproducts.com T: (602)305-9397 F: (602)305-6431 or email: info@eco-safety.com		Supplier: Eco Safety, Inc. 2921 W. Culver Street, #4B Phoenix, Arizona 85009 U.S.A.	

2. Hazards Identification

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 healthcare professionals, employees or representatives as required by 29 CFR 1910.1200(i) (1) (iv) for medical evaluation of treatment.

Appearance: Viscous Liquid
Odor: Little or No Odor

- 2.1 GHS-US Classification - Not classified.
- 2.2 GHS-US Labeling - No labeling applicable.
- 2.3 Other Hazards - None under normal conditions but may cause allergic skin reaction.
- 2.4 Unknown Acute Toxicity (GHS-US) - None.

3. Composition/Information on Ingredients

Chemical Name	CAS #	Wt. % Range	Trade Secret
Titanium Dioxide	13463-67-7	.5% - 30%	*
100% Recycled Mineral Fillers (Crystalline Silica Free)	65997-17-3	5% - 15%	*
Calcined Kaolin	92704-41-1	5% - 15%	*
Inorganic Borates	12280-03-4	.4% - 3%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First Aid Measures

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. If irritation develops, consult a physician.
Skin Contact:	Flush contaminated skin with plenty of water. Consult a physician if irritation develops.
Inhalation:	Move exposed person to fresh air. If irritation persists, get medical attention promptly.
Ingestion:	Do not induce vomiting. If victim is conscious give plenty of water or milk to drink. Get medical attention immediately.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

5. Fire Fighting Measures

Extinguishing Media:	Dry Chemical, Foam, Carbon Dioxide, Dry Sand, Water Fog.
Unusual Fire and Explosion Hazards:	No unusual fire or explosion hazards expected. Nonflammable.
Firefighting Procedures:	For precaution use self-contained breathing apparatus. Use water spray to cool fire exposed containers.

6. Accidental Release Measures

May be slippery when wet. Use caution during cleanup. Squeegee or broom spilled material. Spills may be absorbed by an absorbent material and dispose as solid waste according to your local, state and federal regulations.

7. Handling and Storage



Handling: Wash hands and exposed skin thoroughly after handling. Remove contaminated clothing and launder before reuse. Use with adequate ventilation. Follow all SDS/label precautions. Avoid breathing vapors or mist. Avoid contact with eyes, skin and clothing. **Storage:** Store material in a cool, dry and well-ventilated area between 40°F-90°F. Keep containers closed and air tight. Avoid freezing.

8. Exposure Controls and Personal Protection

Chemical Name	CAS #	ACGIH TLV-TWA	OSHA PEL-TWA
Titanium Dioxide	13463-67-7	10 mg/m ³ (respirable dust)	15 mg/m ³ (total dust)
Calcined Kaolin	92704-41-1	2 mg/m ³ (respirable dust)	15 mg/m ³ (total dust)
100% Recycled Mineral Fillers (Crystalline Silica Free)	65997-17-3	15 mg/m ³ (nuisance dust)	5 mg/m ³ (respirable dust)

Note: Normal application in formulation poses no hazards to the release of nuisance or respirable dust but grinding or sanding dried films of this product may yield respirable dust.

Personal Protection:

Engineering Controls:	Provide adequate general and local exhaust ventilation to control airborne levels below recommended exposure limits.
Personal Protective Equipment:	 Protective Goggles.  Gloves.
Eye Protection:	Use eye protection suitable to the environment and use. Avoid direct contact with eyes.
Skin & Body Protection:	Wear protective gloves to avoid possible skin irritation. Nitrile or Neoprene glove may afford adequate skin protection. Wear suitable protective clothing.
Respiratory Protection:	Use NIOSH-approved dust/particulate mask where vapor, mist, or dust exceed PEL's or other applicable OSHA 1910.134 requirements must be followed.
Hygienic Practices:	Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing and launder before reuse.
Wash Requirements:	Wash with soap and water.

9. Physical and Chemical Characteristics

Appearance:	White Viscous Liquid	Upper/Lower Limits:	N/A
Odor:	Mild	Vapor Pressure (mm Hg):	N/A
Odor Threshold:	N/E	Vapor Density:	N/A
pH:	8 - 9	Relative Density:	N/A
Freezing Point:	32°F/0°C	Solubility:	Partially Soluble
Boiling Point:	>212°F/100°C	Partition Coefficient:	N/A
Flash Point:	N/A	Auto-Ignition Temperature:	N/A
Evaporation Rate (H ₂ O = 1):	< 1	Decomposition Temperature:	N/A
Flammability:	Non-Flammable	VOC Regulatory Limit:	0 g/l

10. Stability and Reactivity

Reactivity: No dangerous reaction known.	Hazardous Decomposition: None known.
Conditions Stability: Stable.	Hazardous Polymerization: None known
Conditions to Avoid: Strong acids and oxidizers.	Incompatible Materials: Oxidizing agents, acids.

11. Toxicological Information

Primary Routes of Entry:	Eyes, Skin, Inhalation, and Ingestion.
Effects of Over Exposure - Eyes:	May cause eye irritation if not removed immediately.

Effects of Over Exposure - Skin:	May cause slight skin irritation.
Effects of Over Exposure - Ingestion:	May cause gastrointestinal irritation.
Effects of Over Exposure - Inhalation:	Remove to fresh air if irritation occurs.
Acute Toxicity:	Titanium dioxide LD50 Oral: > 10000 mg/kg (Rat) LD50 Dermal: > 10000 mg/m ³ (Rabbit) LC50 Inhalation (Dust): > 6.82 mg/L (Rat, 4 hr.) Silica, amorphous LD50 Oral: > 5000 mg/kg (Rat) LD50 Dermal: 2,000 mg/kg (Rabbit) LC50 Inhalation (Dust): > 2 mg/L Kaolin, calcined LD50 Oral: > 5000 mg/kg (Rat) vendor data
Carcinogenicity:	Titanium Dioxide, IARC - 2B Possible Carcinogen. OSHA - Listed

Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety & Health Administration

Reproductive Toxicity:	Not classified.
Germ Cell Mutagenicity:	Not classified.
Specific Target Organ Toxicity:	Not classified.

12. Ecological Information

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

13. Disposal Information

Disposal of product must be in accordance with all federal, state, and local regulations.

14. Transport Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)	TDG (Canada)
UN Number:	N/A	N/A	N/A	N/A
Proper Shipping Name:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Transport Hazard Class(es):	N/A	N/A	N/A	N/A
Packing Group:	N/A	N/A	N/A	N/A
Other Information:	N/A	N/A	N/A	N/A

15. Regulatory Information

15.1 US Federal Regulations

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

SARA 302 Components: None SARA 313 Components: None SARA 311/312 Hazards: None

Composition/Information on Ingredients:

Name	Percent	Fire Hazard	Sudden Release of Pressure	Reactive	Immediate (acute) Health Hazard	Delayed Chronic Health Hazard
N/A						

15.2 International Regulations

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

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

15.3 Other Regulatory Information:

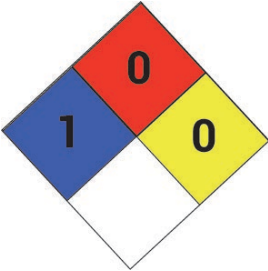
California Proposition 65

To the best of our knowledge this product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

States Right to Know:

Chemical Name	Massachusetts	New Jersey	Pennsylvania
Titanium Dioxide	x	x	x
Calcined Kaolin	x	x	x

16. Other Information

Indication of changes:	Update										
Revision date:	10/13/19										
Author:	Regulatory Department										
<p>NFPA Rating: 4 – Extreme 3 – High 2 – Moderate 1 – Slight 0 – Insignificant</p>		<p>HMIS Rating: 4 – Severe 3 – Serious 2 – Moderate 1 – Slight 0 – Minimal</p>	<table border="1"> <tr> <td>HEALTH</td> <td>1</td> </tr> <tr> <td>FLAMMABILITY</td> <td>0</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td>0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td>A</td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARD	0	PERSONAL PROTECTION	A
HEALTH	1										
FLAMMABILITY	0										
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PERSONAL PROTECTION	A										

Personal Protection: A= Safety Glasses, B= Safety Glasses, Gloves, C= Safety Glasses, Gloves, Protective Apron, D= Face Shield, Gloves, Protective Apron, E= Safety Glasses, Gloves, Dust Respirator

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the time of its publication. The information provided should only be used as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification of the product. This information is furnished without warranty of any kind. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

END OF SAFETY DATA SHEET