SAFETY DATA SHEETS (SDS)
Enviro Clad

Hazard Identifiers

Version:1

Issued by: Envirosystems Technologies

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SECTION 1 – IDENTIFICATION OF MATERIAL & SUPPLIER

1.1	**Product Name:**	Enviro Clad
	Manufacturer's Product Code:	N/A
1.2	**Recommended Use:**	Surface coating
1.3	**Company:**	Envirosystems Technologies Pty Ltd
	Address:	295 Princes Highway St Peters, NSW 2044.
	Website:	www.envirosystems.com.au
	Telephone:	+61 2 85958699 (business hours)
	Fax:	+61 2 85958660
1.4	**Emergency Telephone:**	Info Safe – 1800 638 556, Poisons Centre – 131126

Other Information: All information in this SDS is to the best of our knowledge at time of publication. Users of this product should fully review this SDS prior to use to ensure best safety practices. Further information and or clarification can be obtained by contacting our technical department on the above telephone number.

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Hazard Classification: Classified as **Non-Hazardous** according to WHS Regulations, Australian GHS criteria and a **Non-Dangerous Goods** according to the Australian Dangerous Goods Code.

Class	Category
None	

2.2 Label Elements **None**

Signal word **None**

H-code	Hazard Statements
	None
P-Code	**Precautionary Statement - Prevention**
	None
P-Code	**Precautionary Statement - Response**
P333, P313	If skin irritation or rash occurs: Get medical advice / attention.
P-Code	**Precautionary Statement - Storage**
	None
P-Code	**Precautionary Statement - Disposal**
	None

2.3 Other Hazards None known

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

See section below for Mixtures

CAS No.	Material	Content %
13463-67-7	Titanium dioxide	5-10%
	Components that do not meet GHS disclosure requirements (deemed non-hazardous)	<90%

SECTION 4 – FIRST AID MEASURES

4.1 Description of first aid measures

General Advice:
Immediately remove contaminated clothing. If in danger of loss of consciousness, place patient in recovery position and transport accordingly. Apply artificial reparation if necessary. First aid personal should pay attention to the own safety.
Ingestion:
If swallowed, do not induce vomiting. Rinse mouth with water and give water to drink as much as comfortable able too. Seek medical advice. Do not induce vomiting.
Inhalation:
Not usually a risk.
Eye Contact:
While holding eyes open, gently flood with plenty of fresh water for 15 minutes. Washing within one minute is essential to achieve maximum effectiveness. If pain persists or recurs also seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.
Skin Contact:
Flush contacted area thoroughly with soap and plenty of water. Seek medical attention in event of irritation. Remove contaminated clothing including footwear.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section and in sections 2 and 11.

4.3 Advice for doctor

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:
Use media suitable to surrounding source of fire.

Unsuitable extinguishing media that may not be used for safety reasons:
None.

5.2 Special hazards arising from the substance or mixture

No flammable but after water has evaporated, Oxides of carbon and other possibly toxic fumes from fire.

5.3 Advice for firefighters

Wear full body protective clothing with breathing apparatus. Reduce spillage from entering drains or water course. Combustion products include: carbon dioxide (CO_2), phenolics products typical of burning organic material. Closed containers may rupture due to pressure buildup under fire conditions.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. If material is released indicate risk of slipping. Do not walk through spilled material.

6.2 Environmental precautions

Do not discharge into sewers or waterways and soil.

6.3 Methods and material for containment and cleaning up

Small or major spills should be absorbed with dry, inert filler (soil or sand) which then can be shoveled into appropriately labeled drums for disposal. Disposal of this material should be undertaken by a registered chemical disposal company. Wash area with excess water.

6.4 Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

SECTION 7 – HANDLING & STORAGE

7.1 Precautions for safe handling

Ensure thorough ventilation of stores and work areas. Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

7.2 Conditions for safe storage

Storage Requirements:
Store in a cool, dry and well-ventilated place.
Temperature Conditions:
Up to 40º C and out of direct sunlight.
Protection from weather:
Store undercover and away from frost and moisture

7.3 Specific end use(s)

Is a surface coating

7.4 Regulations and standards (Australia):

Classified as Non-Hazardous Liquid which should be stored and handled in accordance with regulations

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits safe work Australia

Ingredient	STEL	TWA
Titanium Dioxide		10mg/m3

Emergency Limits:

Ingredient	TEEL-1	TEEL-2	TEEL-3
None known			

8.2 Exposure controls

General protection and hygiene measures:
General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations. Do not eat, drink or smoke when handling. Wash hands at the end of work and before eating. Keep working clothes separately. Remove contaminated, soaked clothing immediately. Clean work areas regularly.
Personal protection equipment:

Respiratory protection
No generally required, however in the event of sanding back the coating as might be the case is some applications respiratory protection must be worn.
Eye protection
Chemical goggles. Full face respiratory may be required if exposure causes discomfort.
Hand protection
When handling wear chemical resistant gloves. PVC, neoprene or nitrile glove.
Skin protection
Overalls clothing.
Other Information
Use barrier creams to protect skin from contact with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

8.3	**Further information for system design and engineering measures**	Ventilation is recommended under normal use conditions. State regulations on speed and direction of airflow away from operators must be observed. Keep containers closed when not in use.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

9.1	**Odour:**	Slight
	Odour Threshold	Not determined
	Colour:	Various
	Physical State:	Liquid
	Flash Point:	Not determined
	Autoignition Temperature:	Not determined
	Boiling Point:	100^{o}C
	Melting Point:	Not determined
	Specific Gravity:	1.3 – 1.4
	pH:	8.5 - 9.5
	Solubility in Water (g/L):	Not determined
	Flammability:	Not flammable
	Lower Limit:	Not determined
	Higher Limit:	Not determined
	Vapour Pressure:	Not determined
	Vapour Density (Air = 1)	Not determined
9.2	**Other information**	None available

SECTION 10 – STABILITY AND REACTIVITY

10.1 -3	**Reactivity; Chemical stability; Possibility of hazardous reactions**	Stable
10.4	**Conditions to avoid**	None known
10.5	**Incompatible materials**	None known
10.6	**Hazardous decomposition products**	Oxides of carbon and other possibly toxic fumes from fire once water has evaporated

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity/Effects

Enviro Clad: estimate based on ingredients
Acute oral toxicity
Non toxic

Acute dermal toxicity
Non toxic

Acute inhalation toxicity
Non toxic

Skin corrosion/irritation
Repeated of prolonged exposure may lead to irritating of skin.

Serious eye damage/eye irritation
May cause mild irritating to eyes.

Sensitization
Not a skin sensitzer

Aspiration hazard
This material has been classified as non-hazardous.

Chronic Toxicity/Effects

Enviro Clad: estimate based on ingredients
Specific target organ systematic toxicity (single exposure)
No data available.

Specific target organ systematic toxicity (repeated exposure)
No data available.

Genetic toxicity
This material has been classified as non-hazardous.

Carcinogenicity
No data available.

Reproductive toxicity
No data available.

Teratogenicity
No data available.

Long Term Effects:

No new information.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

Enviro Clad: estimate based on ingredients
Fish: not been tested
Bacteria: Inhibition of degradation is not to be anticipated during introduction of low concentration.

Persistence and degradability

Non fillers and pigments are virtually eliminated from water by abiotic processes.

Fillers and pigments do not biodegrade.

Bioaccumulative potential	Significant accumulation in organisms is not expected.
Mobility in soil	Fillers and pigments show no evidence of mobility.
Additional Information	Do NOT discharge into sewer or waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Material Recommendation:
Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

Uncleaned packaging Recommendation:
Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

SECTION 14 – TRANSPORT INFORMATION

Transport Information

Not classified as a **Non-Dangerous Good** according to the Australian Code for the Transportation of Dangerous Goods by Road and Rail.

U.N. Number:	N/A
DG Class:	N/A
EPG card:	N/A
Hazchem Code:	N/A
Proper Shipping Name:	N/A.
Packing Group:	N/A

Classification for SEA transport (IMO-IMDG)

U.N. Number:	N/A
DG Class:	N/A
Proper Shipping Name:	N/A.
Packing Group:	N/A
Marine Pollutant:	No

Classification for AIR transport (IATA/ICAO)

U.N. Number:	N/A
DG Class:	N/A
Proper Shipping Name:	N/A
Packing Group:	N/A

Label None

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National and local regulations must be observed. For information on labeling please refer to section 2 of this document.

Poisons Schedule Number: N/A

Australian Inventory: Listed
Controlled Schedule Not listed substances
Carcinogenic Substances:

SECTION 16 – OTHER INFORMATION

Safety Data Sheets are updated regularly. Please ensure you have a current copy. SDS can be obtained from our website: www.envirosystems.com.au
The SDS should be used to assist in the Risk Management. Many other factors determine whether the reported Hazards are risks in any given workplace.
Specific Risks may be determined by reference to various Exposure Scenarios, Scale of use, Frequency of use and current or available engineering controls must be considered.

Emergency Telephone: Info Safe – 1800 638 556, Poisons Centre – 13112