

SAFETY DATA SHEETS (SDS)

Enviro 850 TC Colour Pack



Hazard Identifiers

Version: 1

Issued by: Envirosystems Technologies

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SECTION 1 – IDENTIFICATION OF MATERIAL & SUPPLIER

- 1.1 Product Name:** Enviro 850 TC Colour Pack
Manufacturer's Product Code: N/A
- 1.2 Recommended Use:** Colour pack for a polyaspartic coating systems
- 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 **Hazardous** according to WHS Regulations, Australian GHS criteria and a **Non-Dangerous Goods** according to the Australian Dangerous Goods Code.

Class	Category
Acute Toxicity - Oral	5
Acute Toxicity - Dermal	5
Acute Toxicity - Inhalation	4
Skin Corrosion/Irritation	2
Serious Eye Damage/Irritation	2
Sensitization - Skin	1
STOT, Single Exposure - Respiratory Irritation	3
Environmental Hazards - Acute	3
Environmental Hazard - Chronic	3

- 2.2 Label Elements**



Signal word

Warning

H-code	Hazard Statements
H332	Harmful if inhaled
H302	May be harmful if swallowed
H12	May be harmful in contact with skin
H315	Causes skin irritation

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H319	Causes serious eye irritation
H317	May cause an allergic skin reaction
H412	Harmful to aquatic life with long lasting effects
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
P-Code	Precautionary Statement - Prevention
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood.
P271	Use outdoors or in a well-ventilated area
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves / protective clothing / eye protection / face protection
P273	Avoid release to the environment.
P270	Do not eat, drink, or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P-Code	Precautionary Statement - Response
P305, P351, P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.
P302, P352	If on Skin: Wash with plenty of water and soap
P313, P333	If skin irritation or rash occurs: Get medical advice/attention.
P304	If inhaled: Remove victim to fresh air and keep in a position comfortable for breathing
P301	If swallowed: Do not induce vomiting. Get medical advice/attention if you feel unwell
P337, P313	If eye irritation persists: Get medical advice/attention.
P362, P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P-Code	Precautionary Statement - Storage
P405, P403	Store locked up in a well-ventilated place
P-Code	Precautionary Statement - Disposal
P501	Dispose of contents / containers to hazardous or special waste collection point. In accordance with local regulation

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 %
136210-30-5	N,N1-(Dicyclohexamethane-4,41-Diyl)- Bis-Aspartic Acid Tetraethyl Ester	40-60
N/A	Additives	<2
N/A	Pigments	Balance

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 respiration if necessary. First aid personal should pay attention to the own safety.
- Ingestion:**
Do not induce vomiting. Wash mouth with water and seek medical attention immediately. If vomiting occurs, lean patient forward or place on left side (head down position, if possible) to maintain open airway and prevent aspiration and immediately call a physician. Avoid giving milk, oils or alcohol.
- Inhalation:**
Remove to fresh air. If breathing is difficult give oxygen. Keep patient warm and rested. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- Eye Contact:**
While holding eyes open, gently flood with plenty of fresh water for 15 minutes. Seek medical attention if pain persists or recurs. 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, shower if availed. Seek medical attention if irritation occurs. 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 for simple esters. Any material aspirated during vomiting may produce lung injury. Therefore emesis should not be induced mechanically or pharmacologically.

SECTION 5 – FIRE FIGHTING MEASURES

- 5.1 Extinguishing media**
- Suitable extinguishing media:
Alcohol stable foam and Dry Chemical
- Unsuitable extinguishing media that may not be used for safety reasons:
High Volume Water Jet
- 5.2 Special hazards arising from the substance or mixture** Keep away from oxidizing agents, acids and alkalis.
- 5.3 Advice for firefighters** Wear full body protective clothing with self-contained breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO).

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. Do not inhale gases/vapours/aerosols. If material is released indicate risk of slipping. Do not walk

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through spilled material.

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|---|---|
| 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. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves. |
| 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 area away from incompatible materials. Avoid reaction with amines, mercaptans, strong acids and oxidising agents. Store away from acids and from sources of heat or ignition. No special storage requirements necessary.
Temperature Conditions:
Up to 40° C
Protection from weather:
Store undercover and away from frost and moisture. |
| 7.3 Specific end use(s) | Once mixed with other parts produces a coating. |
| 7.4 Regulations and standards (Australia): | Classified as Hazardous Liquid which should be stored and handled in accordance with regulations |

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

- | | |
|-------------------------------|--|
| 8.1 Control parameters | Exposure limits:
No information on exposure limit values necessary according to EC Directive 2006/121/EG |
| 8.2 Exposure controls | General protection and hygiene measures:
Good Ventilation should be sufficient for most 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:
<i>Respiratory protection</i>
When engineering controls are not effective in controlling airborne exposure the respiratory equipment should be used to protect against airborne contaminant.
<i>Eye protection</i>
Chemical goggles. Full face respiratory may be required if exposure causes discomfort.
<i>Hand protection</i>
Impervious gloves are recommended.
<i>Skin protection</i> |

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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

None known.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

9.1	Odour:	Slight
	Odour Threshold	No test data available
	Colour:	Various
	Physical State:	Liquid paste
	Flash Point:	155°C, method: DIN51758
	Boiling Point:	Not Available
	Melting Point:	Not Available
	Specific Gravity:	1.10 – 2.20kg/L
	pH (5% solution):	Not Available
	Solubility in Water (g/L):	Not soluble
	Flammability:	Yes
	Lower Limit:	Not Available
	Higher Limit:	Not Available
	Vapour Pressure:	<0.1 hPa at 20°C
	Vapour Density (Air = 1)	Not Available
	Volatile component	Not Available
9.2	Other information	None available

SECTION 10 – STABILITY AND REACTIVITY

10.1	Reactivity; Chemical stability;	If stored and handled in accordance with standard industrial practices not hazardous reactions are known. Unstable in the present of incompatible material.
-3	Possibility of hazardous reactions	
10.4	Conditions to avoid	Keep away from heat and direct sunlight.
10.5	Incompatible materials	Keep away from oxidising agents, acids and alkalis.
10.6	Hazardous decomposition products	Carbon oxides and incompletely burnt carbon compounds.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity/Effects

Eye: Irritating to eyes and skin

Skin: Repeated exposure may cause skin dryness and cracking. [Skin, rat LD50 >2000mg/kg]

Inhaled: Harmful by inhalation. Irritant to the respiratory tract. [Inhalation, 4hrs LC50 for rats 490mg/m3]

Ingestion: Harmful if swallowed. [Oral, rat LD50 > 50mg/kg]

Chronic Toxicity/Effects

None known

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Long Term Effects:

Susceptible individuals may develop allergic reactions such as dermatitis or asthma like symptoms on a single significant skin exposure or may become sensitized to the material on repeated contact. Irritating to eyes and skin. May cause sensitization by skin by contact or inhalation.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity	No data available
Microorganisms/Effect on sludge	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Additional Information	Do not allow this material to enter waterways, drains and sewers.

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. Do **NOT** allow wash water from cleaning or process equipment to enter drains.

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

Classified as a Non-Dangerous Good according to the Australian Code for the Transportation of Dangerous Goods by Road and Rail.

U.N. Number: none allocated
DG Class: not classified as dangerous goods
EPG card: none allocated
Hazchem Code: none allocated
Proper Shipping Name: Polyaspartic Pigment Dispersion
Packing Group: none allocated
Poison Schedule: none allocated

Classification for SEA transport (IMO-IMDG)

U.N. Number: none allocated

DG Class: not classified as dangerous goods
Proper Shipping Name: Polyaspartic Pigment Dispersion
Packing Group: none allocated
Marine Pollutant: none allocated

Classification for AIR transport (IATA/ICAO)

U.N. Number: none allocated

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DG Class: not classified as dangerous goods
Proper Shipping Name: Polyaspartic Pigment Dispersion
Packing Group: none allocated

Label

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.

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