

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION OF THE COMPANY / UNDERTAKING

Product Name : **EstoWrap**
Application : Industrial, construction, marine, aviation and leisure car special composite material, such as base materials and aircraft and automobile & shipping.
Company : **Denka Construction Solutions Malaysia Sdn Bhd**
Address : 18, Jalan Utas 15/7, Seksyen 15, 40200 Shah Alam, Selangor, Malaysia
Telephone : 03 – 55108810 Fax : 03 - 55100708

2. HAZARDS IDENTIFICATION

Hazard Classification: Not classified
Symbol: None
Signal Word: No Signal Word
Hazards Statement: No known significant effects or critical hazard
Precautionary Statement: Not applicable
Corresponding: Not applicable

Other Hazard Risk which are not included in the classification criteria

Physio-chemical hazards: In the supplied from the product itself is not explosive at all; however, the build-up of fines and dust can lead to a risk of dust explosions.
Human health dangers: Dust may cause temporary irritation
Eye: Dust may cause mild irritation. In some cases, the dust may cause allergic skin reactions.
Skin: Dust may cause mild irritation
Inhalation: Dust may cause mild irritation
Other hazards: This product and its dusts are electrically conductive

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Cas Number	%
Carbon Fiber	308063-67-4	>99.85

4. FIRST AID MEASURES

Eyes: Wash with plenty of water
Skin: Wash with plenty of water
Inhalation: If the symptoms get medical attention
Ingestion: Using appropriate medical equipment
Indication of immediate medical: Contact staff and first aid management
Attention and notes for physician

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special Hazards arising from the chemical	Hazardous decomposition products formed under fire conditions.
Special Protective Equipment:	Wear Self-contained breathing apparatus for firefighting if necessary

6. ACCIDENTAL RELEASE MEASURES

a) Personal precautions, protective equipment and emergency procedures	Access to protective equipment after use Prevent damage of the material that the dust distributed
b) Environmental precautions and protective procedures	Prevent from entering Waterways, sewers, basements, etc.
c) Methods and materials for containment for containment and cleaning up	Leaked material is removed by moving a clean and dry container

7. HANDLING AND STORAGE

Handling:	Handling after Precautions Save to storage place Wash hands thoroughly after handling Would prohibit contact with skin
Storage:	To prevent heat and flames Cap will block because food and other particles can get into the substance

8. EXPOSURE CONTROL / PERSONAL PROTECTION

A) Control parameters

KOREA	No data
ACGIH	10.0 mg/m
Biological exposure limits	No data

B) Appropriate Engineering Controls

Engineering process below the exposure guidelines

C) Personal protective equipment

RESPIRATORY EQUIPMENT	No Data
HAND PROTECTION	No Data
EYE PROTECTION	No Data
SKIN PROTECTION	No Data

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black
Odour	Odourless
Relative Density	1.6 – 2.0 (20°C)

10. STABILITY AND REACTIVITY

STABILITY

This material is stable

CONDITIONS TO AVOID

Hazardous decomposition and polymerization will not occur
Oxidation slowly proceeds in the air of 240 degrees centigrade above, and the product, a sometimes become red hot.

**MATERIAL TO AVOID
HAZARDOUS DECOMPOSITION
PRODUCTS**

A strong oxidizing agent
No data

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure No Data

Health Hazard Information:

Aphorism	No Data
Inhalation	No Data
Skin Corrosive/irritant	No Data
Serious eye damage/eye irritation	No Data
Respiratory Sensitization	No Data
Carcinogenicity	No Data
Germ Cell Mutagenicity	No Data
Reproductive toxicity	No Data
Specific Target Organ Toxicity (single exposure)	No Data
Specific Target Organ Toxicity (repeated exposure)	No Data
Aspiration Hazard	No Data

12. ECOLOGICAL INFORMATION

Aquatic and terrestrial ecotoxicity:

Fish	No Data
Shellfish	No Data
Algae	No Data

Persistence and degradability:

Persistence	No Data
Degradability	No Data
Biodegradability	No Data

Mobility in soil No Data

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Official regulations according to Waste Management

DISPOSAL PRECAUTION

Official regulations according to Waste Management

14. TRANSPORT INFORMATION

UN Number	: No Data
UN Proper Shipping Name	: No Data
Transport Hazard Class	: No Data
Packing Group	: No Data
Marine Pollution	: No Data

Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises

Be careful for the fire, wet and pollution by other material

15. REGULATORY INFORMATION

Industrial safety and health act	Threshold limit values
Toxic Chemical Control Act	No Data
Dangerous Material Safety Control Act	No Data
Waste Management Act	No Data
Other requirements in domestic and other countries	
POPs Control Act	No Data
OSHA	2.0mg/m3 (Carbon Fiber)
CERCLA	No Data
EPCRA 302	No Data
EPCRA 304	No Data

16: OTHER INFORMATION

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Denka Construction Solutions Malaysia Sdn Bhd

If this product has been purchased to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described to this sheet and of any precautions which should be taken. This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

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