



## PRODUCT DATA SHEET

### Vegetal Granular Activated Carbon

## Ecogreen Enviro Carb

Enviro Carb is an agroforest vegetal physical activated granular carbon for use in air and gas purification industry. Manufactured by high temperature steam activation, Enviro Carb is a high activity carbon with well structured pore size is best suits for purification application in the field of environmental protection, odor control, gas storage and purification of process gas.

### Typical Application

Enviro Carb surface chemistry well suits for the removal of volatile organic compounds, odor causing low concentration H<sub>2</sub>S gas and Methyl Mercaptan and acid gases in sewage treatment plant and wastewater treatment plant, cabin air purification and evaporative emission control (ELCD) in the automotive industry, indoor air filtration, solvent recovery process, gasoline storage tank ventilation.

### Product Properties

<b>Mesh Size, US sieve</b>	<b>4 x 8</b>
<b>Carbon Tetrachloride Adsorption ,wt %</b>	<b>60 min</b>
<b>Iodine Number ,mg/g</b>	<b>1100 min</b>
<b>Total Surface Area ,m<sup>2</sup>/g</b>	<b>1100 min</b>
<b>Apparent Density ,Kg/m<sup>3</sup></b>	<b>250</b>
<b>Ball Pan Hardness, %</b>	<b>95 min</b>
<b>Moisture(As Packed) ,wt%</b>	<b>5 max</b>
<b>pH</b>	<b>9-12</b>

### Features and Benefits

Enviro Carb is a higher surface area granular activated carbon manufactured to suits air and gas purification.

The pore size and surface chemistry is best suit for adsorption for a wide range of organic compounds. Particle size distribution exhibits low pressure drop during application.

Possesses very good mechanical hardness and thermal stress during application.

Product consistency in batch to batches of supply.

Due to its low density it has high filling capability for a given unit volume of material when compared to mineral or coconut activated carbon.

### Available Particle Size

**3x6**  
**4x7**  
**4x10**  
**8x16**

### Available Adsorption Rate

**40 CTC**  
**45 CTC**  
**50 CTC**  
**55 CTC**

## Packing and Transportation

Standard packaging on woven inner lined Poly propylene big bags of 300kg / 661lb

Container stuffing quantity : 20 feet container - 6MT ; 40HC container - 13.2MT

## Precautions in Use

Steam activated carbon is a strong oxidizing agent and can remove oxygen from air under wet or humid conditions. Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels. Confined space/low oxygen procedures should be put in place before any entry is made. Ensure the use of correct breathing apparatus. Material Safety Data Sheets should be consulted for further details on procedures in the event of contact with activated carbon.



System tested and certified by WQA to NSF/ANSI 61 as verified and substantiated by test data



System tested and certified by WQA to NSF/ANSI 42 as verified and substantiated by test data



### Corporate Office

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### Factory Location

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