



# OXBOW CarbonPlus SAS

132 – 134 Boulevard de Verdun  
Energy Park - Immeuble 7 – 5<sup>ème</sup> étage  
92400 COURBEVOIE

Tél : (+ 33) 1 47 17 13 05 – Fax : (+33) 1 47 17 18 64

## Product Safety information sheet

### Filter ANTHRACITE

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#### 1. Chemical product and Company identification

Product name	Anthracite – ANTHR'O
Synonyms	Anthracite coal, Carbon, Coal
Application	Filtration of potable – waste - and process water
Company	<b>OXBOW CarbonPlus SAS</b> 132-134 Boulevard de Verdun Energy Park – Immeuble 7 – 5 <sup>ème</sup> étage 92400 Courbevoie FRANCE Phone : (+ 33) 1 47 17 13 05 Fax : (+ 33) 1 47 17 18 64 Email: laboratory@oxbow.com
Emergency phone number:	the Netherlands, Antigifcentrum +31 30 274 88 88 Belgium, Antigifcentrum +32 70 245 245 Germany, Giftnotrufzentrale (Berlin) +49 30 19240 France, center Anti-Poison (Paris) +33 1 40 05 48 48

#### 2. Hazards identification

##### \* Hazards identification

Possible development of an explosive dust/ air mixture.

##### \* Special hazards information for man and environment

This product is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives.

#### 3. Composition & information on ingredients

Physical & chemical properties:	Solid product
Identification number CAS :	No CAS listing for anthracite coal
EINECS number :	No EINECS listing for anthracite coal
Analytical reference values :	Carbon (Dry) C : ca 90 % Volatiles (Dry): ca 5 – 8 % Water (H <sub>2</sub> O) : variable Sulphur (Dry) : < 1 % Ash (Dry) (Various elements) 3 - 5 %



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#### 4. First aid measures

- \* Inhalation : In the event of dust accidental inhalation, remove the victim to fresh air; if any respiratory symptoms develop, see a doctor.
- \* Ingestion : Not expected to be a problem when ingested. If uncomfortable seek medical assistance
- \* Eye contact : In the event of accidental eye contact, treat by flushing with water or an appropriate eye solution. If any other symptom develop (redness, burning, itching...), see a doctor.
- \* Skin contact : In the event of skin contact, wash with clean water and soap. Launder contaminated clothing before reuse.

#### 5. Fire fighting measures

- \* Extinguishing media : preferable to use foam, sand. Do not use water.
- \* Fire risk : Hazardous products from decomposition: carbon dioxide, carbon monoxide, sulphur oxides, metal oxides and organics of unknown chemical composition and toxicity may be products of decomposition.
- \* Fire fighting equipment : Self contained breathing apparel may be required in a close area

#### 6. Accidental release measures

- \* Personal precautions : See section 8
- \* Land spill : Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

#### 7. Handling & storage

- \* Handling : Each time the product is handled, wear adequate clean work gear and gloves. Remove accumulations outside the system immediately.
- \* Storage : Electric equipment has to correspond to DIN-VDE 0165



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Dust is subject to combustion or explosion upon contact with sparks, open flames, or temperatures in excess of 760 °C. Any potential sparking or ignition should be moved prior to pulverizing or other process resulting in dust generation.

\* Information concerning storage together with other materials None

\* Further information on storage conditions: May be stored in the open air without any problem.

### 8. Exposure controls, personal protection

#### \*Measures of Limiting and Control of Exposure

Coal miner's pneumoconiosis (anthracosis) was recognized as one of the earliest forms of occupational disease. Pulmonary fibrosis does not occur unless the coal dust contains crystalline silica (SiO<sub>2</sub>) which is strongly fibrogenic. Thus, the potency of the dust may vary as a result of the chemical composition. Therefore, the handling procedures and safety precautions in this MSDS should be followed to minimize employee exposure.

\* Additional information on plant design Not applicable

\* Additional information Avoid formation of dust

\* Eye protection : Wear safety glasses with side shields or a face shield.

\* Skin protection : Gloves & overalls should be worn when handling this product

\* Respiratory protection : A dust mask meeting CEN or NIOSH regulations should be worn when handling this product.  
MAC (NL) 6 mg/m<sup>3</sup> .  
The indicated limit value means a general dust limitation value (respirable dust) according to TRGS 900.

### 9. Physical and chemical properties

\* Shape solid

\* Color black

\* Odor odourless

\* Change in state not applicable



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- \* Flash point not applicable
- \* Flammability not applicable
- \* Ignition temperature > 760 °C
- \* Self-ignition in general, there is no danger for dust explosion.
- \* Explosion hazard not explosive
- \* Explosion limits not applicable
- \* Steam pressure not applicable
- \* Bulk density 730 - 760 kg/m<sup>3</sup>
- \* Solubility in water max 1 %
- \* pH value not applicable
- \* Distribution coefficient not applicable
- \* Type of viscosity not applicable
- \* Solvent separation test not applicable
- \* Solvent content not applicable

### 10. Chemical stability and reactivity

- \* Chemical stability : stable
- \* Conditions to avoided: Heat & ignition source, strong oxidisers and combustible materials
- \* Hazardous decomposition products: CO, CO<sub>2</sub>, SO<sub>2</sub>

11. Toxicological information No relevant published information available.

12. Ecological information No relevant published information available.



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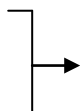
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**13. Disposal considerations** Disposal in accordance with local regulations

### **14. Transport information**

Land transport (ADR/RID)  
Maritime transport (IMDG)  
Air transport (IATA)



Not regulated for transportation

### **15. Regulatory information**

#### **Marking according to EEC directives**

\* Distinguishing mark and hazard classification of the product: None

\* Hazard-defining label component(s) contain(s): Not applicable

\* Hazards classification: None

\* Safety advice: None

\* Special marking of certain preparations  
(according to Annex II of directive 88/379/EEC governing preparations) : none

\* Additional classification  
(according to "GefStoffV" ordinance governing hazardous substances, Annex II, no.) : not applicable

\* Information on occupational restrictions None

\* Ordinance governing accidents does not fall in the scope of the "StoerfallV" ordinance

\* Classification according to the "VbF" ordinance Not applicable

\* Clean air direction Not applicable

\* Water hazards class WGK 0, not hazardous to waters

\* Other regulations, restrictions and prohibitory ordinances None



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### 16. Other information

DISCLAIMER - All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources, relates specifically to the product designated and may not be valid for the product when used with any other materials or products or in a particular process.

The information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, express or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to review this information, satisfy itself as to its suitability and completeness, and pass on the information to its employees or customers in accordance with applicable hazard communications requirements. We do not accept responsibility for any loss or damage, which may occur from the use of this information.