

## ACTIVATED CARBON

IVYS PART #M001-212

**1. IDENTIFICATION OF SUBSTANCE/MIXTURE FROM MANUFACTURER**

## 1.1. Product identifier

Product Name	Activated Carbon
Molecular Formula	
Molecular Weight	
CAS # / EC #	

## 1.2. Relevant identified uses of the substance or mixture and uses advised against:

Relevant Identified Uses	
Uses Advised Against	

## 1.3. Details of the supplier of the substance or mixture:

Supplier	Manufacturer
Ivys Adsorption Inc	
730, Boulevard Industriel	
Blainville, Québec	
Canada J7C 3V4	
Tel +1 450 979 8700	
Email : <a href="mailto:sales@ivysads.com">sales@ivysads.com</a>	
<a href="http://www.ivysads.com">www.ivysads.com</a>	

## 1.4. Emergency phone number

+81-869-65-8331	
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## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Not categorized as hazardous or harmful material.**

**TLV (ACGIH): not applicable. GHS Classification: Does not fall under a classification standard**

### 2.2 Label elements

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### 2.3 Other hazards

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixture

Chemical Name	UN #	CAS #	Formula / Ingredients /Purity % / Other
Activated Carbon	Non-corresponding matter	7440-44-0	C / Carbon / Carbon >90% / Ash & Moisture
Ash			Less than 3% including SiO <sub>2</sub> in principle component
Water			Less than 3%

## 4. FIRST AID MEASURES

### 4.1 Description of first aid

Skin contact	Wash with soap and large quantities of water.
Eye Contact	Flush with plenty of water for at least 15 minutes and seek medical care immediately.
Ingestion	Vomit immediately and wash out the mouth completely, Emergency medical care should be required.
Inhalation	Keep the air fresh and warm conditions and emergency care. In case of cyanosis, provide immediate artificial breathing. If inhaled dust of Activated Carbon, rinse mouth with water.

Effects of Over-Exposure	Avoid exposure to dust levels above 2.9 mg per cubic meter. Long-term and low-level exposure to the dust may bring about pneumoconiosis.
Indication of the immediate medical attention and special treatment needed	

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media	Foam, Multipurpose Dry Chemical and water-type extinguishers.
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### 5.2 Special hazards arising from the substance or mixture

Special danger	Contact with strong oxidizers such as Ozone, Liquid Oxygen, Permanganate, etc. may result in fire.
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### 5.3 Advice for fire-fighters

Special measures for the protection of fire-fighters	None
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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

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### 6.2 Environmental precautions

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### 6.3 Methods and material for containment and clean up

<b>Sweep or Vacuum (Spills can create nuisance dust and housekeeping problems.)</b>
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### 6.4 Reference to other sections

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

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### 7.2 Conditions for safe storage, including any incompatibilities

<b>Local exhaust is recommended. Packaged activated carbon is not resistant to weather or outside storage and requires indoor storage facilities.</b>
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## 7.3 Specific end use(s)

Exposure	No special requirements
Other information	No information available

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

## 8.1 Exposure controls

Appropriate engineering controls	
Individual protection measures – personal protective equipment	No special requirements
Eye / Face Protection	Goggles recommended
Skin Protection	Protective gloves (rubber) recommended
Respiratory Protection	NIOSH -approved particulate filter respirator is recommended if excessive dust is generated.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

## 9.1 Information on basic physical and chemical properties

Appearance	Solid Black Particulate
Colour	Black
Odour	
Flash Point	N/A
Specific gravity (H <sub>2</sub> O=1)	1.8 – 2.1
Boiling Point (°C)	N/A
% Volatility by Volume (%)	N/A
Vapour Pressure	N/A
Vapour Density	N/A
Water Solubility	Insoluble
Auto-ignition Temperature (°C)	Above 400°C

## 1.9. Other information

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**10. STABILITY AND REACTIVITY**

Reactivity	
Chemical Stability	Stable
Possibility of hazardous reaction	May not occur
Conditions to avoid	Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels and enclosed or confined spaces.
Incompatible Materials	Strong Oxidizers such as Ozone, Liquid Oxygen , Permanganate, Nitric Acid etc.
Hazardous decomposition products	Contact with strong inorganic acids such as Nitric Acid and Sulfuric Acid may generate hazardous gases, such as NO <sub>2</sub> and SO <sub>2</sub> .

**11. TOXICOLOGICAL INFORMATION**

Toxicokinetics, metabolism and distribution:	
Acute Toxicity (TLV (ACGIH))	N/A
Skin Corrosion / Irritation	
Serious Eye Damage / Irritation	
Respiratory or Skin Sensitization	
CMR Effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction)	

STOT – Single Exposure and Repeated Exposure	
Additional Information	

**12. ECOLOGICAL INFORMATION**

## 12.1 Toxicity

Activated carbons that have adsorbed organic liquids and gases may lower the ignition point and must be checked for ignition point before disposal. Dispose of in accordance with local, state, and federal regulations.

Pay special attention not to flow out to the river, water supply system, sewerage, or sea. If possible, regeneration is recommended.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Waste Treatment Methods: In case of landfill, ask for permission in accordance with regulations of industrial discharges and clean in your country.

Additional Information: In case of incineration the conventional way, adapt to the regulations on air pollution.

### 14. TRANSPORT INFORMATION

	Brazil	IMDG	IATA
UN Number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

Transportation Notes:

- Cover the product with a hood or a sheet to avoid rain.

### 15. REGULATORY INFORMATION

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

**Follow all regulations in your country.**

### 16. OTHER INFORMATION

Date of this revision	July 16, 2014
Abbreviations and Acronyms	
GHS	Globally Harmonized System of Classification and Labelling of Chemicals.

CLP	EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.
CAS	Chemical Abstracts Service (division of the American Chemical Society).
EINECS	European Inventory of Existing Commercial chemical Substances.
IARC	International agency for research on cancer.
RID	European Rail Transport.
IMDG	International Maritime Code for Dangerous Goods.
IATA	International Air Transport Association.
OSHA	The United States Occupational Safety and Health Administration.
DSD	Dangerous Substance Directive (67/548/EEC).
TSCA	Toxic Substances Control Act, The American chemical inventory.
RCRA	The Resource Conservation and Recovery Act of United States.
CERCLA	The Comprehensive Environmental Response, Compensation, and Liability Act of United States.
SARA/TITLE III	The Emergency Planning and Community Right-to-Know Act.
DSL	Domestic Substances List, The Canadian chemical inventory.
AICS	The Australian Inventory of Chemical Substances.
ECL	Existing Chemicals List, the Korean chemical inventory.
PICCS	Philippine Inventory of Chemicals and Chemical Substances.
MITI	Ministry of International Trade and Industry.
IECSC	Inventory of existing chemical substances in China.

## 17. Data Sources:



**Notice to End User:**

All data presented herein is based on actual measurements performed by the Manufacturer. Companies should use this information only as a supplement to other information gathered by them, and should make independent judgment on the suitability of this information to ensure proper use and protect the health and of employees. This information is furnished in good faith and without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.