

CARBON MOLECULAR SIEVE

Ivys Part #: M001-206

1. IDENTIFICATION OF SUBSTANCE/MIXTURE FROM MANUFACTURER

PRODUCT DETAILS

- Ivys Part #: **M001-206**
 - **CARBON MOLECULAR SIEVE**
 - **Application of the substance / the preparation**
 - **Supplier:**
 - Ivys Adsorption
- 730, Boul. Industriel
- Blainville, Québec
- Canada, J7C 3V4
- sales@ivysinc.com
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2. Composition/information on ingredients

Chemical Name and Synonyms

Formula

Ingredients

CAS No.

UN No.

Percent

: Activated Carbon

: C

: Carbon

: 7440-44-0

: Non-corresponding-matter

: Carbon above 90 %

: Others :Ash and moisture.

3. Hazards identification

Not categorized as hazardous or harmful material.

TLV(ACGIH)

GHS classification

: N/A

: Do not fall under a classification standard.

4. First aid measures

Eye Contact

Skin Contact

Inhalation

If Swallowed

Effect of Overexposure

: Flush with plenty of water for at least 15 minutes and medical care immediately.

: Wash with soap and large quantities of water.

: Keep the fresh air and warm condition and emergency care.

In case of cyanosis, immediate artificial breathing.

When inhale the dust of Activated Carbon, rinse mouth with water.

: Vomit immediately and wash out the mouth completely,

Emergency medical care should be required.

: 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.

Extinguishing Media

Special Fire Fighting Procedure

Unusual Fire and Explosion Hazards

: Foam, Multipurpose Dry Chemical and water Type

Extinguishers.

: None

: Contact with Strong oxidizers such as Ozone, Liquid

Oxygen, Permanganate, etc. may result in fire.

6. Accidental release measures

Environmental precautions

Methods for cleaning up/taking up

Sweeping or Vacuuming (Spills can create nuisance dust and house keeping problems.)

7. Handling and storage

Ventilation

Storage precaution

: Local exhaust is recommended,

: Packaged activated carbon is not resistant to weather or outside

storage and requires indoor storage facilities.

8. Exposure controls/personal protection

Protective equipment : no special requirements

Protective gloves

Eye protection

Respiratory protection

: Rubber gloves recommended

: Goggles recommended

: NIOSH Approved particular filter respirator is recommended if
excessive dust is generated.

9. Physical and chemical properties

Boiling point (°C)

Vapor pressure (mmHg)

Vapor density (Air=1)

Solubility in water

Specific gravity (H₂O=1)

Percent volatile by volume (%)

Flash point

Auto-Ignition Point (°C)

Appearance and Odor

: N/A

: N/A

: N/A

: Insoluble

: 1.8 - 2.1

: N/A

: N/A

: Above 400°C.

: Black particulate solid

10. Stability and reactivity

Stability

Incompatibility(Materials to Avoid)

Hazardous Polymerization

Conditions to Avoid

Hazardous Decomposition Products

: Stable

: Strong Oxidizers such as Ozone, Liquid Oxygen ,
Permanganate, Nitric Acid etc.

: May not occur.

: Wet activated carbon removes oxygen from air causing
a severe hazard to workers inside carbon vessels and
enclosed or confined spaces.

: Contact with strong inorganic acids such as Nitric
Acid and Sulfuric Acid may generate hazardous gases

such as NO₂ and SO₂ .

11. Toxicological information

Acute toxicity : □

TLV(ACGIH) : N/A

12. Ecological information

Recommended disposal : Activated carbons that have adsorbed organic liquids and gases
may lower the ignition point and must be checked for ignition
point before disposal.

Disposal of in accordance with local, state, and federal regulation.

Pay special attention not to flow out to the river, water supply
system, sewerage, sea.

If possible, regeneration is recommended.

13. Disposal considerations

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

In case of incineration on 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

Follow all regulations in your country.

16. Other information

NFPA Ratings: Health:0, Flammability:1, Reactivity:0, Reactivity=Instability

Data Sources:

Notice to End User:

The information in this SDS provides all the relevant data fully and truly. However, the information is provided without any warranty on its absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for users who have professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, Ivys does not assume responsibility for any damage. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language. 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 safety of employees. This information is furnished without



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