



Centre Anti-Poison pour le Québec: (800) 463-5060  
Tél. (Qc): (418) 660-8666 / 800-890-8666  
Fax. (Qc): (418) 660-8998

## SAFETY DATA SHEET

### SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

|  |                                    |   |                       |
|--|------------------------------------|---|-----------------------|
| Product Identifier<br>ACTIVATED CHARCOAL (DECOLORIZING)  |                                    | Product Use<br>Laboratory use               |                       |
| Chemical formula<br>C  |                                    | Product code<br>CP-0244                     | Molar weight<br>12,01 |
| Chemical name / Commercial name / Synonymous<br>ACTIVATED CARBON DECOLORIZING, CHARCOAL ACTIVATED, CARBON BLACK, GRAPHITE NAUTURAL, CARBONE ACTIVÉ DÉCOLORANT, ACTIVATED CHARCOAL WOOD DECOLORIZING, Charcoal Black, Graphite Nautural, Black Pearls |                                    |   |                       |
| Supplier's name<br>Laboratoire MAT   |                                    | Address-Street<br>610, Adanac Street        |                       |
| City<br>Québec   |                                    | Province<br>Québec                          |                       |
| Postal code<br>G1C 7B7   | Internet<br>www.labmat.com         | Phone number<br>418-660-8666 / 800-890-8666 |                       |
| Emergency phone  | CANUTEC: 613-996-6666              | CENTRE ANTI-POISON DU QUÉBEC 800-463-5060   |                       |
| Date SDS<br>12/4/2019  | SDS Prepared by<br>Laboratoire MAT | E-Mail<br>labmat@labmat.com                 |                       |

### SECTION 02 - HAZARDS IDENTIFICATION

|                            |  |
|----------------------------|--|
| Classification WHIMS / GHS | Not a hazardous substance according to WHMIS 2015                                |
| Other dangers              | NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Signifiant; 4=Extreme)            |
|                            | <b>Health</b> 1<br><b>Fire</b> 1<br><b>Reactivity</b> 0<br><b>Special danger</b> |

### SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

| Ingrédients (Dénomination chimique / synonymes) | Numéro CAS et tout identificateur unique | Concentration (%) |
|---|--|-------------------|
| Charbon activé décolorant                       | 7440-44-0                                | <=100             |

### SECTION 04 - FIRST AID MEASURES

|   |  |
|---|--|
| Eye contact   | Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention. |
| Skin contact  | Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.                          |
| Inhalation  | Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.  |
| Ingestion   | Rinse mouth with water. If the person is conscious, give water to drink. Never give anything by mouth to an unconscious person. Consult a physician.     |
| Most important symptoms and effects (acute and delayed)         | Ref. section 11.   |
| Immediate medical attention and special treatment, if necessary | In case of medical consultation, keep this sheet available.  |
| General advice  | Show this safety data sheet to the doctor in attendance.   |

## SECTION 05 - FIREFIGHTING MEASURES

|  |   |
|--|---|
| <b>Flammability</b>  | No  |
| <b>Ignition conditions</b>   | Flame directly on the product or intense heat.  |
| <b>Suitable extinguishing media</b>                                  | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  |
| <b>Unsuitable extinguishing media</b>                                | Data not available.   |
| <b>Hazardous combustion / decomposition products</b>                 | When heated to decomposition, activated charcoal releases toxic vapors of carbon monoxide and dioxide.  |
| <b>Special fire and explosion hazards</b>                            | Normally, it does not present a fire or explosion hazard, but a dust concentration greater than 0.07 oz / ft <sup>3</sup> may ignite at 510 ° C or when exposed to a spark or other ignition source. Contact with: liquid ether and ethanol, etc. or with strong oxidizing agents such as ozone, liquid oxygen, high concentrations of fluorine, ammonium perchlorate, bromine pentafluoride, bromine trifluoride, chlorine trifluoride, dichlorine oxide, potassium peroxide, peroxide, ozone, liquid oxygen, chlorine, permanganate, etc., can cause fire. Moderate fire hazard in the presence of heat or flame. Spontaneous combustion of activated carbon in the air can occur at around 90 to 100 ° C. In a humid atmosphere, this combustion will appear more quickly. The mixing in the air of activated charcoal with sodium borohydride promotes the oxidation of the latter and produces an accelerated combustion of the activated carbon, which results in a release of hydrogen (flammable gas) due to the thermal decomposition of the borohydride. sodium. May react violently with incompatible products (Ref Section 10). |
| <b>Special protective equipment and precautions for firefighters</b> | Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus.   |

## SECTION 06 - ACCIDENTAL RELEASE MEASURES

|   |  |
|---|--|
| <b>Methods and materials for containment and cleaning up / Personal precautions, protective equipment</b> | Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Dispose of residues in a container provided for the disposal of hazardous materials. Do not let product enter drains. |
|---|--|

## SECTION 07 - HANDLING AND STORAGE

|                                    |  |
|------------------------------------|--|
| <b>Conditions for safe storage</b> | Store in a cool, dry place. Store in a well-ventilated area. Keep container tightly closed and store away from heat, moisture, and incompatible products.  |
| <b>Methods of handling</b>         | Always open containers slowly to allow any excess pressure to vent. Avoid breathing dust, fumes, gases, mists, vapors, aerosols. Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. |

## SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace control parameters

| Composants       | No.-CAS   | Valeur | Paramètres de contrôle | Base  |
|------------------|---|--------|------------------------|---|
| ACTIVATED CARBON | 7440-44-0   | VEMP   | 5.000000 mg/m3         | Québec. Règlement sur la santé et la sécurité du travail, Annexe 1 Partie 1: Valeurs d'exposition admissibles des contaminants de l'air |
| Remarques        | La norme correspond à la poussière ne contenant pas d'amiante et dont le pourcentage de silice cristalline est inférieur à 1 %. |        |                        |   |
|                  |   | VEMP   | 10.000000 mg/m3        | Québec. Règlement sur la santé et la sécurité du travail, Annexe 1 Partie 1: Valeurs d'exposition admissibles des contaminants de l'air |
|                  | La norme correspond à la poussière ne contenant pas d'amiante et dont le pourcentage de silice cristalline est inférieur à 1 %. |        |                        |   |
|                  |   | VEMP   | 5.000000 mg/m3         | Québec. Règlement sur la santé et la sécurité du travail, Annexe 1 Partie 1: Valeurs d'exposition admissibles des contaminants de l'air |
|                  | La norme correspond à la poussière ne contenant pas d'amiante et dont le pourcentage de silice cristalline est inférieur à 1 %. |        |                        |   |
|                  |   | VEMP   | 10.000000 mg/m3        | Québec. Règlement sur la santé et la sécurité du travail, Annexe 1 Partie 1: Valeurs d'exposition admissibles des contaminants de l'air |
|                  | La norme correspond à la poussière ne contenant pas d'amiante et dont le pourcentage de silice cristalline est inférieur à 1 %. |        |                        |   |

|                     |  |
|---------------------|--|
| Data source         | Sigma-Aldrich.   |
| Ventilation         | Fan.   |
| Respiratory         | If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.  |
| Gloves              | Handle with gloves.  |
| Eyes                | Safety goggles with safety shutters.   |
| Shoes               | Safety shoes.  |
| Clothing            | Labcoat.   |
| Engineering control | Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values. |

## SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

|                                       |   |
|---------------------------------------|---|
| Physical state                        | Solid.  |
| Appearance                            | Poudre fine de couleur noire.-                    |
| Odour                                 | inodore.  |
| Odour threshold                       | Data not available                                |
| pH                                    | Donnée non disponible..                           |
| Melting point / Freezing point        | 3652 °C-  |
| Initial boiling point                 | Data not available                                |
| Boiling range                         | Data not available                                |
| Flash point                           | Data not available                                |
| Evaporation rate                      | Data not available                                |
| Flammability                          | No  |
| Lower flammable / Explosive limit     | Data not available                                |
| Upper flammable / Explosive limit     | Data not available                                |
| Vapour pressure                       | 1 mmHg @ 3586 °C-                                 |
| Vapour density                        | Data not available                                |
| Relative density                      | 1.8 - 2.1 g/cm³                                   |
| Solubility                            | Insoluble dans l'eau et les solvants organiques.. |
| Partition coefficient water/n-octanol | Data not available                                |
| Auto-ignition temperature             | 452°C   |
| Decomposition temperature             | Data not available                                |
| Viscosity                             | Data not available                                |

## SECTION 10 - STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Reactivity</b>  | Non-reactive under normal conditions.   |
| <b>Chemical stability</b>  | Stable under recommended storage conditions.  |
| <b>Possibility of hazardous reactions</b>  | Stable under normal conditions. May form combustible dust concentrations in the air.  |
| <b>Conditions of instability (Including sensitivity to shock / static discharge / vibration)</b> | Avoid exposure of aerosol dust to sparks or open flames. Avoid dust formation. Avoid excessive heat. Avoid moisture.                  |
| <b>Incompatible material</b>   | Strong oxidizing agents (nitric acid, perchloric acid, peroxides, chlorates and perchlorates), sodium borohydride, heat and moisture. |
| <b>Hazardous decomposition products</b>  | Hazardous decomposition products formed under fire conditions. Toxic vapors of carbon monoxide and dioxide.                           |

## SECTION 11 - TOXICOLOGICAL INFORMATION

### ACTIVATED CHARCOAL (DECOLORIZING)

|  |   |
|--|---|
| <b>Routes of exposure</b>                        | Ingestion, inhalation, skin and eyes.   |
| <b>Acute exposition effects / symptoms:</b>      | By exposure route below.  |
| <b>- Eyes</b>                                    | Irritation and may cause inflammation of the conjunctiva.   |
| <b>- Skin</b>                                    | Irritation.   |
| <b>- Inhalation</b>                              | Irritation of the mucous membranes and respiratory tract. Nervous disorders, cough, dyspnea, headache, dizziness, nausea and vomiting. NOTE: Intense and prolonged inhalation of fine dust may cause silicosis. This disease is characterized by a fibrous transformation of the lung accompanied by a dry cough, emphysema and pleuritic involvement. In advanced cases, death can occur by cardiac arrest or necrosis of lung tissue. |
| <b>Acute toxicity (Ingestion)</b>                | Irritation of the mucous membranes. Gastrointestinal disorders, cramps, diarrhea, headache, dizziness, sweating, salivation, convulsions, nausea and vomiting.  |
| <b>Chronic exposure effects / symptoms</b>       | Burning sensation, conjunctivitis, nervous disorders, lung damage, cough, dyspnea, laryngitis, headache, dizziness, confusion, irritability, fever, nausea and vomiting.  |
| <b>DL50 (specify species and route of entry)</b> | Intravenous LD50 - Mouse - 440 mg / kg LD50 Oral - > 10000 mg / kg (Rat) LD50 Dermal - Data not available.  |
| <b>CL50 (specify species and route of entry)</b> | LC50 - Inhalation - Data not available.   |

## SECTION 12 - ECOLOGICAL INFORMATION

|   |    |
|---|----|
| <b>Available ecological information</b> | No |
|---|----|

## SECTION 13 - DISPOSAL CONSIDERATIONS

|                               |  |
|-------------------------------|--|
| <b>Waste Disposal Method</b>  | Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company. |
| <b>Contaminated Packaging</b> | Dispose of as unused product.  |

## SECTION 14 - TRANSPORT INFORMATION

|                                   |     |
|-----------------------------------|-----|
| <b>UN Number</b>                  | N/R |
| <b>UN Proper shipping name</b>    | N/R |
| <b>Transport hazard class(es)</b> |     |
| <b>Packing group</b>              |     |
| <b>Limited quantity index</b>     |     |
| <b>ERAP Index</b>                 |     |
| <b>Special precautions</b>        |     |

## SECTION 15 - REGULATORY INFORMATION

|              |   |
|--------------|---|
| WHIMS CANADA | Not a hazardous substance according to WHMIS 2015 |
|--------------|---|

## SECTION 16 - OTHER INFORMATION

### Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

**Last Update: 12/4/2019**