



SAFETY DATA SHEET

This Safety Data Sheet meets or exceeds the requirements of the Canadian Controlled Product Regulations (WHMIS)

SECTION I – PRODUCT AND SUPPLIER INFORMATION

Supplier: **Emergency Response Telephone:** **INFOTRAC (800) 535-5053**
Target Products Ltd,
5 Concourse Parkway, Suite 1900
Atlanta, GA 30328

Telephone: 1.604.856.7976

PRODUCT Granular Activated Carbon Filter Media

PRODUCT USE
Water purification media

SECTION II - HAZARD IDENTIFICATION

Hazard-determining components of labeling:

2.1 Classification of the substance or mixture

Eye Irritant – Category 2A

Specific Target Organ Toxicity Single Exposure – Category 3 (respiratory)

2.2a Signal word: Warning

2.2b Hazard Statements

Causes serious eye irritation

May cause respiratory irritation through inhalation of dust.

2.2c Pictograms



Do not eat, drink or smoke when using this product.

Wash thoroughly after handling.

Do not breathe dust or swallow.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Wash contacted hands, skin and hair thoroughly after handling.

Immediately seek medical advice or attention if symptoms are significant or persist.

Dispose of contents/containers in accordance with all regulations.

2.3 Additional Information: None

2.3a HNOC – Hazards not otherwise classified: Not applicable

2.3b Unknown Acute Toxicity: None

Target Products

SECTION III HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS No.	% by Weight
Activated Carbon	7440-44-0	100

SECTION IV – FIRST AID MEASURES

4.1 Description of the first-aid measures

General information:

After inhalation: Remove person to fresh air and keep comfortable for breathing.

After skin contact: Rinse skin with water.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowing: If conscious, have the victim drink plenty of water and call a physician immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

Inhalation: May cause respiratory tract irritation.

Eye Contact: Causes eye irritation if particles or dust get in eye.

Ingestion: Ingestion of large quantities may cause discomfort and/or distress, nausea or vomiting.

4.3 Indication of immediate medical attention and special treatment needed:

Immediately seek medical advice or attention if symptoms are significant or persist.

SECTION V FIRE FIGHTING MEASURES

5.1 Flammability of the Product: Combustible

5.2 Suitable extinguishing agents: Treat for surrounding material. Violent steam generation and frothing may occur on direct application of water stream. For small fires use carbon dioxide dry chemical powder or sand. For larger fires, use foam.

5.3 Special hazards arising from the substance or mixture: None

5.3a Products of Combustion: During a fire, toxic gasses are generated.

5.3b Explosion Hazards in Presence of Various Substances: Non-explosive in presence of shocks

SECTION VI – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Wear personal protective equipment (See section VIII). Keep unprotected persons away.

6.2 Methods and material for containment and cleaning up:

Do not allow to enter sewers/ surface or ground water. Dispose of unwanted materials and containers properly in accordance with all regulations.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND STORAGE

7.1 Handling

Ensure that this product is used in compliance with all federal, state/provincial, and local regulations. Establish a comprehensive personal protective equipment (PPE) program including, but not limited to protecting, eyes, face, skin, feet, breathing and hearing. The requirements of workplace and other safety regulations are not limited to the information included on the label and this SDS.

7.2 Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep out of the reach of children.

7.3 Incompatibilities

Strong oxidizers such as ozone, liquid oxygen, chlorine, potassium permanganate. Strong acids, acetone, alkali metals.

Target Products

SECTION VIII – EXPOSURE CONTROL MEASURES / PERSONAL PROTECTION

8.1 Components with limit values that require monitoring at the workplace:
Not established

8.2 Exposure Controls

Do not use compressed air to clean as this will create dust in the air. When collecting wasted and dust for disposal, consider controlling exposure; consider: wind, other activities and number of people in the vicinity.

8.3 General protective and hygienic measures

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes.

8.3a Personal protective equipment

Chemical goggles, full face shield, or a full-face respirator is to be worn at all times when the product is handled. Impervious gloves of chemically resistant material (PVC or rubber) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse. Respiratory protection is not normally required.

SECTION IX PHYSICAL/CHEMICAL CHARACTERISTICS

General Information

Grade	GAC-L 4 x 8, 8 x 30, 12 x 40 & 20 x 50
Colour	Black
Bulk Density	Approximately 28 lb/ft ³ (450 kg/m ³). Varies w/particle size.
Hardness (Abrasion No.)	95 – 99 (ASTM D3802)
Mesh Size (U.S. Sieve)	5% maximum on upper screen / 5% maximum through lower screen
Apparent Density, g/cc	0.44 – 0.50
Apparent Density, lb/ft ³	27.5 – 30
Moisture	2 – 3% maximum, as packed
pH	7 ± (ASTM D3838)
Ash	6% (ASTM D2866)
Surface Area	900 – 1100 m ² /g (BET N)
Pore Volume	1.11 ml/g
Iodine Number	>1000 mg/g (ASTM D4607)
Methylene Blue	260 mg/g (CEFIC 2.4)
Phenol	5.7% (DIN 19603)
Dechlorination Half Length	2.9 cm (DIN 19603)
Molasses No.	200 minimum
Solubility in / Miscibility with Water:	Insoluble
VOC content:	0 g/L VOC

SECTION X – STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal storage conditions. Keep in dry storage.

10.3 Possibility of hazardous reaction

Self-heats due to slow oxidation by air. Presence of moisture accelerates self-heating.

10.4 Thermal decomposition / conditions to be avoided

High temperatures, sparks, open flames and all other sources of ignition. Minimize airborne spreading of dust. High concentrations of organics in air will cause temperature rise due to head of adsorption. At very high concentrations this may cause a bed fire. High concentrations of ketones and aldehydes may cause a bed temperature rise due to adsorption and oxidation.

10.5 Incompatible materials

Strong oxidizers such as ozone, liquid oxygen, chlorine, potassium permanganate. Strong acids, acetone, alkali metals.

Target Products

10.6 Hazardous Decomposition or By-products
Carbon monoxide may be generated in the event of a fire.

SECTION XI – TOXICOLOGICAL INFORMATION

11.1 Exposure Routes: Inhalation, skin contact, eye contact, or ingestion.

11.2 Symptoms related to physical/chemical/toxicological characteristics:
Inhalation: May cause respiratory tract irritation.
Eye Contact: Causes serious eye irritation if particles or dust gets in eye.
Ingestion: Ingestion of large quantities may cause discomfort and/or distress.

11.3 Delayed, immediate and chronic effects of short-term and long-term exposure
Short Term

Skin Corrosion/Irritation: Not applicable
Serious Eye Damage/Irritation: Causes serious eye irritation if particles or dust gets in eye
Respiratory Sensitization: Not applicable
Skin Sensitization: Not applicable
Specific Target Organ Toxicity-Single Exposure: (Category 2) May cause respiratory irritation
Aspiration Hazard: Not applicable
Long Term
Carcinogenicity: Not carcinogenic
Germ Cell Mutagenicity: Not applicable
Reproductive Toxicity: Not applicable
Specific Target Organ Toxicity- Repeated Exposure: Not applicable
Synergistic/Antagonistic Effects: Not applicable

SECTION XII – ECOLOGICAL INFORMATION

12.1 Ecotoxicity
No further relevant information available.

12.2 Persistence and degradability
No further relevant information available.

12.3 Bioaccumulative potential:
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

12.5 Other Adverse Effects
No further relevant information available.

SECTION XIII – DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Method
The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust.

13.2 Other disposal considerations
Recommendation: Disposal must be made in accordance with local, state and federal regulations.
Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION XIV – TRANSPORT INFORMATION

	DOT (U.S.)	TDG (Canada)
UN-Number	Not Regulated	Not Regulated
UN proper shipping name	Not Regulated	Not Regulated
Transport Hazard Class(es)	Not Regulated	Not Regulated
Packing Group (if applicable)	Not Regulated	Not Regulated

14.1 Environmental hazards:
Not applicable

Target Products

14.2 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code
Not applicable

14.3 Special precautions for user
Do not handle until all safety precautions have been read and understood.

SECTION XV – OTHER REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislations specific for the chemical

Canada

WHMIS Classification: Considered to be a nonhazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and subject to the requirements of Health Canada's Workplace Hazardous Material Information (WHMIS). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

15.4 Global Inventories

DSL All components of this product are on the Canadian DSL list.
TSCA No.: All constituents are listed in the TSCA inventory.

SECTION XVI – OTHER INFORMATION

Last Updated: 14 January 2019

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

End of SDS