

MATERIAL SAFETY DATA SHEET

EZ-Char Activated Charcoal Pellets

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SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: EZ Char Activated Charcoal Pellets
COMMON NAME: Activated Carbon Pellets
CHEMICAL NAME: Activated Carbon
SYNONYMS: NA
CHEMICAL FORMULA: NA
CHEMICAL FAMILY: Activated Carbon

SECTION 2: COMPOSITION AND INGREDIENTS

CHEMICAL NAME	CAS#	% w/w	OSHA PEL	ACGIH TLV	IDLH
Activated Carbon	7440-44-0	>80	NA		
Bentonite	14808-60-7	<20	NA		

NE = Not Established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: EZ Char is an odorless black pellet. The ingredients listed are non-hazardous.

Symptoms of Overexposure by Route of Exposure: No known harmful effects.

Inhalation: Possible mild irritation of respiratory tract due to drying and abrasive actions of dust.

Contact with Skin or Eyes: In case of contact with skin wash with a mild soap and water if irritation develops. In case of eye contact immediately flush with copious amounts of water for 15 minutes, may cause mild irritation.

Ingestion: No known harmful effects.

Health Effects or Risks from Exposure (An explanation in lay terms):

Acute: Not Known.

Chronic: Not Known.

TO THE BEST OF OUR KNOWLEDGE THE INFORMATION CONTAINED HEREIN IS ACCURATE AS OF THE DATE HEREOF. ANY DETERMINATION AS TO THE SUITABILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, ITS SAFE USE OR DISPOSAL SHALL BE THE RESPONSIBILITY OF THE USER. THE INFORMATION CONTAINED HEREIN IS IN NO WAY INTENDED TO SUPPLEMENT, MODIFY OR SUPERSEDE THE INFORMATION PROVIDED IN THE PRODUCT PACKAGE. INSERT WITH RESPECT TO THE USE OF THE PRODUCT FOR MEDICAL PURPOSES.

Medical Conditions Aggravated by Over Exposure: Not Known.

Other Comments: Activated carbon (especially when wet) can deplete oxygen from air in enclosed spaces, and dangerously low levels of oxygen may result. Appropriate cautions should be taken when dealing with spent (used) activated carbon as the product may exhibit properties of adsorbed materials.

Pre-Existing Medical Conditions: Not Known

SECTION 4: FIRST AID MEASURES

Skin Exposure: Thoroughly wash with mild soap and water. Seek medical attention if irritation develops.

Eye Exposure: Immediately flush eye with copious amounts of water and seek medical attention if irritation develops.

Inhalation: Remove victim to fresh air. Seek medical attention if cough or respiratory symptoms develop.

Ingestion: Give one or two glasses of water to drink and seek medical attention if gastrointestinal symptoms develop.

SECTION 5: FIRE / EXPLOSION HAZARDS & FIRE-FIGHTING MEASURES

Flash Point: NA

Autoignition Temperature: NA

Flammable Limits (in air by volume, %): Lower: NA Upper: NA

Fire Extinguishing Equipment: Use extinguishing agent suitable for type of surrounding fire.

Water Spray: OK Carbon Dioxide: OK Halon: OK

Foam: OK Dry Chemical: OK Other: Any "ABC" Class

Unusual Fire and Explosion Hazards: Under certain conditions, any airborne dust may be an explosion hazard.

Explosion Sensitivity to Mechanical Impact: Not sensitive.

Explosion Sensitivity to Static Discharge: Not sensitive.

Special Fire Fighting Procedures: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by the DOT *Emergency Response Guidebook*, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate immediate hazard area and keep unauthorized personnel out. Contain spill if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Cool equipment exposed to fire with water, if it can be done with minimal risk.

HAZARD CLASS:	Health:	1 (Least)
	Flammability:	0 (Least)
	Reactivity:	0 (Least)

SECTION 6: SPILL AND LEAK PROCEDURES

Spill and Leak Response:

Immediate cleanup of spills is recommended, however do so in a fashion that will not disperse dust into air. Wash affected area with water.

SECTION 7: HANDLING AND STORAGE

Work and Hygiene Practices: As with all chemicals, avoid getting this product ON YOU or IN YOU. Do not eat, drink, smoke or apply cosmetics while handling the product. Wash hands thoroughly after handling.

Storage and Handling Practices: Store at controlled room temperature 15°C to 30°C (59°F to 86°F). Keep container closed when not in use. Store away from strong oxidizers such as liquid oxygen, ozone, chlorine etc.

Protective Practices during Maintenance of Contaminated Equipment: ND

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation and Engineering Controls: Use local exhaust ventilation to control emissions near the source.

Respiratory Protection: Keep dust exposure to a minimum with administrative controls. Use appropriate NOISH approved particulate respirators if necessary.

Eye Protection: Safety glasses with eye shields are recommended for any type of handling.

Hand Protection: No special requirements under normal condition of use, however clinicians repeatedly administering the product should wear non-latex gloves.

Body Protection: No special requirements under normal conditions of use.

Product Preparation Instructions for Medical Personnel: Follow standard procedure for handling pharmaceutical materials and recommendations presented on the Package Insert.

SECTION 9: PHYSICAL / CHEMICAL PROPERTIES

Boiling Point:	ND	Vapor Pressure:	ND
Melting/Freezing Point:	ND	pH:	ND
Water Solubility:	Insoluble	Water Reactive:	No
Specific Gravity (Water =1):	ND	Evaporation Rate (Butyl acetate = 1):	ND
Appearance/Odor:	Black pellets or granules with no odor.		

ND = No Data

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under labeled storage conditions.
Incompatible Materials:	Oxidizers
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	Oxides of Carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data: This material is non-toxic in its original state; however used activated carbon may exhibit characteristics of the adsorbed material.

Suspected Cancer Agent: Activated carbon is not listed as potential carcinogens by any agency. Activated carbon with Bentonite may contain crystalline silica, which has been listed as a potential carcinogen of the lungs by the IARC and NTP. Much of the silica is inextricable bound with the particles of activated carbon, and does not present a substantial health hazard.

Irritancy of Product: Irritating to the eyes, skin and respiratory tract due to activated carbons abrasive properties.

Sensitization to the Product: No sensitization potential of activated carbon is known.

Reproductive Toxicity Information: No reproductive toxicity information is available.

Mutagenicity: No Mutagenicity test information is available.

Embryotoxicity/Teratogenicity/Reproductive Toxicity: No embryo toxic, Teratogenic or reproductive toxic effects are known.

ACGIH Biological Exposure Indices: Currently there are no Biological Exposure Indices (BEIs) associated with the components of this product.

SECTION 12: ECOLOGICAL INFORMATION

Activated carbon in its original state is not a harmful to the environment.

Environmental Stability: This product will be stable under ambient environmental conditions.

Effect of Materials on Plants or Animals: No specific information is available on the effect of activated carbon on plants or animals in the environment.

Effect of Chemicals on Aquatic Life: No specific information is available on the effects of activated carbon on aquatic life.

SECTION 13: WASTE DISPOSAL

Preparing Wastes for Disposal: This material, if discarded as produced, is not a RCRA "listed" or "characteristic" hazardous waste. Use resulting in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials consult state and local regulations regarding the proper disposal of this material.

U.S. EPA Waste Number: None

SECTION 14: TRANSPORTATION INFORMATION

This Material is not Hazardous as Defined by 49 CFR 172.101 by the U. S. Department of Transportation

Proper Shipping Name: Activated Carbon

Hazard Class Number and Description: Not applicable

UN Identification Number: Not applicable

Packing Group: Not applicable

DOT Label(s) Required: Not applicable

North American Emergency Response Guidebook Number (1996): Not applicable.

MARINE POLLUTANT: No component of this product is listed as a Marine Pollutant (49 CFR 172.101, Appendix B)

Transport Canada Transportation of Dangerous Goods Regulations: Not applicable

SECTION 15: REGULATORY INFORMATION

U.S. REGULATIONS:

U.S. SARA Reporting Requirements: Section 302 – Extremely Hazardous Substances (40CFR355): This product is not listed as an extremely hazardous substance. Section 313 – List of Toxic Chemicals: This product is not listed.

U.S. SARA Threshold Planning Quantity: Not applicable

U.S. CERCLA Reportable Quantities (RQ): Not applicable

U.S. Toxic Substances Control Act Inventory Status: Activated carbon is on the inventory list.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does NOT contain a chemical known to the State of California to cause developmental and reproductive effects.

Other U.S. Federal Regulations: Based on this product's use, the requirements of the OSHA Bloodborne pathogen Standard (29 CFR 1910.1030) are applicable.

ANSI Labeling (Based on 129.1. Provided to Summarize Occupational Exposure Hazards):

WARNING! Activated carbons should be administered under the supervision of a qualified physician.

SECTION 16: OTHER INFORMATION

DEFINITIONS OF ABBREVIATIONS USED:

ACGIH:	American Conference of Governmental Industry Hygienists
CAS:	Chemical Abstract Service
IARC:	International Agency for Research on Cancer
IDLH:	Immediately Dangerous to Life or Health Level
LC ₅₀ :	Medial Lethal Concentration
LD ₅₀ :	Medial Lethal Dose
MSHA:	Mine Safety and Health Administration
N/A:	Not Available
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
STEL:	Short Term Exposure Limit
TLV:	Threshold Limit Value
TWA:	Time Weighted Average