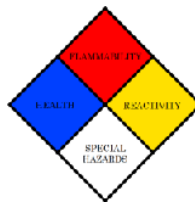


GHS Safety Data Sheet

Precision Water USA GHS SDS

Revision Date: January 4, 2016

Revision No. 03



4 – Extreme
3 – High
2 – Moderate
1 – Slight
0 – Insignificant
*- See section 2 for
Special Hazards

SECTION 1: SUBSTANCE AND COMPANY IDENTIFICATION

Precision Water USA

4118 South 500 West Murray UT 84123

EMERGENCY PHONE: 1-800-818-1818

PRODUCT NAME : Activated Carbon Coal/Coconut Shell PWSUSA Part# CNGAC510 & CNGAC263
CHEMICAL NAME : Activated Carbon, Activated Charcoal
PRODUCT USE : Liquid and vapor applications (purification, decolonization, separation, and deodorization)
CAS NUMBER : 7440-44-0

SECTION 2: HAZARDOUS IDENTIFICATION

Emergency Overview

WET CARBON REMOVES OXYGEN FROM AIR CAUSING SEVERE HEALTH HAZARD TO WORKERS CONFINED IN AN ENCLOSED SPACE. SAMPLING AND WORK PROCEDURES FOR LOW OXYGEN LEVELS SHOULD BE TAKEN TO ENSURE AMPLE OXYGEN AVAILABILITY, IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

This material is 100% activated carbon. There are no established PEL, TWA, or TLV values for this material. Caution should be taken for inhalation of dust. The ACGIH TWA for respirable dust is 2.2 mg/m³. The product has no carcinogenic properties.

GHS-US Classification:

Hazard/Category

Eye Irritation H320-Category 2B
Respiratory Irritation H335-Category 3

Hazard Symbol



Warning: Contact may cause eye irritation
May cause respiratory irritation
Wet activated carbon removes oxygen from air causing sever health hazard to workers in enclosed or confined space

Precautionary Statements:

P261- Avoid breathing dust during handling
P264- Wash thoroughly after handling
P271- Use in well-ventilated area
P280- Wear protective gloves/clothing/face & eye protection
P304/P340- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
P305/P338/P351- IF IN EYES: Rinse cautiously with water for several minutes
P403+233- Store in a well-ventilated place
P405- Store locked up
P501- Dispose of container to appropriate receptacle

SECTION 3: COMPOSITION INFORMATION

Description	:	Colorless black solid, pellets, flake/powder
Vapor Pressure	:	N/A
Vapor Density	:	N/A
Solubility	:	Not Soluble
Stability	:	Stable Incompatibility: Avoid contact with strong oxidizers
Apparent Density	:	0.48 – 0.52 g/cc
Volatile Percent	:	N/A
Boiling Point	:	N/A

SECTION 4: FIRST AID MEASURES / HEALTH DATA

Overexposure Effects: This product is non-toxic through ingestion. It is non-toxic through skin absorption. It is not a primary skin irritant. No sensitization effects are known. It is non-toxic through inhalation. Due to its physical properties, carbon dust may irritate the respiratory system and produce eye irritation. In case of eye contact, flush with water for at least 15 minutes. Contact a doctor if irritation occurs. For inhalation, remove the person from the area.

Note: Seek medical attention if respiratory systems develop, irritation or cough.

SECTION 5: FIRE-FIGHTING MEASURES

GENERAL HAZARD:

Activated carbon is very difficult to ignite and tends to burn slowly (smolder) without producing smoke or flame. Toxic gases will form upon combustion. This product ignition point 500-800 F.

FIRE FIGHTING PROCEDURES:

If possible to safely, move smoldering activated carbon to a non-hazardous area, preferably out of the doors. Extinguish fire using water fog, fine water spray carbon dioxide or foam. Avoid stirring up dust clouds.

FIRE FIGHTING EQUIPMENT:

Fire fighting personnel should wear full protective equipment, including self-contained breathing apparatus (SCBA) of all inside fires and large outdoor fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SHOULD A LEAK OR SPILL OCCUR:

Clean up spills in a manner that does not disperse dust into the air. Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure, and removal of material from eyes, skin, and clothing.

DISPOSAL METHOD:

Spent granular activated carbon may be recyclable. Dispose of virgin (unused) carbon (waste or spillage) in a facility permitted for non-hazardous wastes. Spent (used) carbon should be disposed of in accordance with applicable laws.

CONTAINER DISPOSAL:

Do not reuse empty bags. Dispose of in facility permitted for non-hazardous wastes.

SECTION 7: HANDLING AND STORAGE

Storage Temperature	:	Ambient
Storage Pressure	:	Atmospheric
Handling	:	Recommended using PPE. Follow good handling and housekeeping practices to minimize spills, generation of airborne dusts, and accumulation of dusts on exposed surfaces.
	:	Use with adequate exhaust ventilation to draw dust away from workers' breathing zones.
	:	Prevent or minimize exposures to dusts by using appropriate personal protection equipment.
	:	Wash exposed skin areas thoroughly with soap and water after handling
Storage	:	Store product in a closed dry container. Maintain good housekeeping. Store away from strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION	:	Safety glasses with side shields are recommended for any type of handling. Where eye contact or dusty conditions may be likely, dust tight goggles are recommended. Have any eye flushing equipment available.
SKIN PROTECTION	:	Avoid skin contact with this product. Wear appropriate dust resistant clothing. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.
RESPIRATORY PROTECTION:		Keep dust exposure to a minimum level. Use appropriate NIOSH/MSHA approved respirators with filters for dust. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point, C:	- N/A	Evaporation Rate	- N/A
Bulk Density - Granular Grades	- 21-34 lbs/ft ³	Freezing Point, C:	- N/A
Bulk Density – Powder Grades	- 15-35 lbs/ft ³	Percentage of Volatiles	- N/A
Vapor Pressure	- N/A	Solubility in Water	- Insoluble

Vapor Density	- N/A	Appearance and Odor	- Color less Black Granular, powder with No order.
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N/A – Not Applicable

SECTION 10: STABILITY AND REACTIVITY

STABILITY	:	This product is stable under the specified conditions of storage, shipment and use.
INCOMPATIBILITY	:	Contact with liquid oxygen, chlorine, oxidizers or permanganate, etc. may result in rapid combustion. Avoid contact with strong acids
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS	:	Oxide of Carbon
HAZARDOUS POLYMERIZATION	:	Does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

This material is non-toxic in its original state. Used activated carbon may exhibit characteristics of the adsorbed material.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	:	This material, in its original state, is not harmful to the environment. Used activated carbon may exhibit characteristics of the adsorbed material.
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SECTION 13: DISPOSAL CONSIDERATIONS

Activated carbon, in its original state is not a hazardous material or hazardous waste. Follow applicable local and governmental regulations for waste disposal.

Used activated carbon may become classified as hazardous waste depending upon the application. Please refer to applicable local and governmental regulations for disposal.

Recycling (Reactivation) may be viable alternative to disposal. Contact Prominent Systems Inc for more information.

SECTION 14: TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME	:	Activated carbon, charcoal (Not DOT Regulated)
HAZARD CLASS	:	Not Applicable
ID NUMBER	:	Not Applicable
PACKING GROUP	:	Not Applicable
LABEL STATEMENT	:	Not Applicable
FREIGHT CLASSIFICATION	:	STCC Code - #2899643 NMFC #040560

SECTION 15: REGULATORY INFORMATION

FEDERAL REGULATIONS:

OSHA Hazard Communication Standard, 29CFR1910.1200	-	See "Particulates not otherwise regulated," in Table Z-1
CERCLA/SUPERFUND, 40CFR117, 302	-	Notification of spills of this material is not required.
SARA/SUPERFUND	-	Section 302 – Extremely Hazardous Substance (40CFR355): This product is not listed as an extremely hazardous substance. Section 313 – List of Toxic Chemicals: This product is not listed.
Toxic Substances Control Act, 40CFR710	-	Activated carbon is on the inventory list.
Resource Conservation and Recovery Act	-	Activated carbon, in its original state, does not meet the criteria of hazardous waste.

SECTION 16: OTHER INFORMATION

Wet Activated carbon adsorbs Oxygen from air causing a severe hazard to workers in confined spaces.