



Gowrishankar Chemicals (P) Ltd

MATERIAL SAFETY DATA SHEET

COCONUT SHELL BASED STEAM ACTIVATED CARBON

Revision No. 010 dt. 15/04/2010
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Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer Name & Address	Gowrishankar Chemicals (P) Ltd K.B.Cross, KIBBANAHALLI 572 114 Tumkur Dist. Karnataka, INDIA email: info@gcarbon.com
EMERGENCY TELEPHONE NUMBERS	+91 (0)8134 262046, FAX: + 91 (0)8134 262070
NAME USED ON LABELS	G-CARBON
CHEMICAL NAME	STEAM ACTIVATED CARBON
GRADES	GS700A@ GS800A@ GS900A@ GS1000A@ GS1100A@ GS1200A@ GOLD CARBON
CHEMICAL FAMILY	Steam Activated Carbon
PRODUCT USE	Liquid and vapor application (purification, decolonization, separation & deodorization, effluent treatment, dechlorination)

Section 2 - COMPOSITION INFORMATION ON INGREDIENTS

Identity	CAS No	Typical %	OSHA Hazard	HS CODE
Activated Carbon	7440-44-0	100%	N	3802 1000

Section 3 - HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS:			
Eyes Contact	Not Corrosive but like most dust may cause irritation.		
Skin Contact	Not Corrosive and no irritation.		
Ingestion	No known deleterious effects.		
Inhalation	Possible mild irritation.		
Chronic Effects	IARC: Not Listed	NTP: Not Listed	OSHA: Not Regulated

Section 4 - FIRST AID MEASURES

IF IN EYES	Immediately flush with plenty of fresh water.
IF ON SKIN	Flush the area with plenty of water.
IF SWALLOWED	Induce vomiting as directed by medical personnel. Give medical attention
IF INHALED	Remove to fresh air.

Section 5 - FIRE FIGHTING MEASURES

Flash Point (Test Method)	Non Flammable
Auto ignition Temperature	Non Flammable
Flammable Limits	Upper: NA Lower: NA
EXTINGUISHING MEDIA	Water spray, carbon dioxide, foam, or dry chemical. When burned products of combustion including dioxides of carbon can occur.

Section 6 - ACCIDENTAL RELEASE MEASURES

IF SPILL OR LEAKE OCCURS
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 practice 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 spilled) in a facility permitted for non hazardous waste. Spent(used) carbon should be disposed in accordance With applicable laws.

CONTAINER DISPOSAL
Do not use empty bags. Dispose of in facility permitted for non hazardous waste.

Section 7 - HANDLING AND STORAGE

HANDLING	Keep bags closed until ready for use. Avoid breathing dust. Avoid contact with eyes. Wash hands and contact area after handling.
STORAGE	Product should be stored in dry, well ventilated area. Store away from ozone, liquid oxygen, chlorine, permanganate etc.
SHELF LIFE	Activated Carbon has a shelf life of two years from the date of Test Report.

Section 8- EXPOSURE CONTROLS/ PERSONAL PROTECTION

Eye Protection	Safety glasses with side shields are recommended while handling. Through flushing with fresh water if material contact with eye happens.
Skin Protection	Avoid direct skin exposure. Wash hands or any contact parts with plenty of fresh water.
Respiratory Protection	Use appropriate BIS/NIOSH/MSHA approved particulate respirators is necessary.
Airborne exposure limits	Recommended limits for 8 hrs; Total Dust 2.1 mg/cu.m, Respirable Fraction: 0.7 mg/cu.m

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	NA
Specific Gravity	1.5 - 2.1
Vapor Pressure at 30deg C	NA
Vapor Density	NA
Freezing Point	NA
% Volatilities	NA
Solubility in Water	Insoluble
Appearance	Black dense granules with no odor
Evaporation Rate	NA



Section 10 – STABILITY AND REACTIVITY DATA

STABILITY	This product is stable under the specified conditions of storage, shipment and use.
HAZARDOUS DECOMPOSITION PRODUCT	Oxides of Carbon
INCOMPATIBILITY	Contact with strong oxidizing agents like ozone, liquid oxygen, chlorine, permanganate, etc may result in rapid combustion. Avoid in contact with strong acids.

Section 11 – TOXICOLOGICAL INFORMATION

Material non toxic.

Section 12 – ECOLOGICAL INFORMATION

This material is not harmful to environment. Used activated carbon may exhibit characteristic of the adsorbed material.

Section 13 – DISPOSAL CONSIDERATIONS

Activated carbon in its original state is a hazardous material nor hazardous waste. Follow applicable local laws for disposal of waste. Used activated carbon may become classified as a hazard waste depending on the application.

Section 14- TRANSPORT INFORMATION

Proper Shipping Name	STEAM ACTIVATED CARBON (NOT DOT REGULATED)
Hazard Class	Not Applicable
UN/NA Number	Not Applicable
Packing Group	Not Applicable
Freight Classification	STCC Code #2899643 NMFC #040560

Further more the provisions of the International Maritime Dangerous Goods Code (IMDG Code) under the category Carbon, Activated of UN number classification 1362 IMDG code class 4.2 (2004 Edition) do not apply to Activated Carbon produced via the Steam Activation Process, by the exemption provided under special provision 925 of the IMDG 2004 Edition code book. It is excluded from IATA#395, IMCO class 4.2 or UN 1362. Product tariff is 3802.10.00

Section 15 – REGULATORY INFORMATION

Applicable PCB rules should be followed.

Section 16 – OTHER INFORMATION

Wet activated carbon depletes oxygen from air and therefore dangerously low levels of oxygen may be encountered. Whenever workers enter vessel or confined space containing activated carbon, the vessels oxygen levels should be monitored and work precautions for potentially low oxygen areas should be followed. This granular activated carbon is steam activated
