

Material Safety Data Sheet



Infosafe No. 7COOT

Issue Date : 22 March 2012 RE-ISSUED by Pharmachem

Product Name : **ACTIVATED CARBON POWDER**

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name ACTIVATED CARBON POWDER

Product Code 10699

Product Use Decolorizing of sugar, water and air purification, solvent recovery, waste treatment, removal of sulfur dioxide from stack gases and 'clean' rooms, deodorant, removal of jet fumes from airports, catalyst natural-gas purification, brewing, chromium electroplating, air conditioning.

Company Name Pharmachem

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Other Names Name Product Code

HYDRAFFIN SC11

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical

Characterization

Solid

Ingredients Name CAS Proportion Hazard Symbol Risk Phrase

Carbon 7440-44-0 100 %

3. HAZARDS IDENTIFICATION

Human Health Effects Activated carbon (especially when wet) can deplete oxygen from air in enclosed spaces, and dangerously low levels of oxygen may result. When workers enter a vessel containing activated carbon, follow procedures for potentially low oxygen. Workers should also take appropriate precautions when dealing with spent (used) activated carbons which may exhibit properties of adsorbed materials.

Chronic Effects No specific data is available for the product for chronic exposure symptoms. The materials in this product are not considered to be carcinogenic by the Worksafe Australia lists (May 1995).

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

Ingestion Considered non hazardous by ingestion

Skin Non corrosive and not a primary skin irritant. Mild irritation is possible due to abrasive action of dust.

Eye Contact with eyes can cause mechanical irritation

4. FIRST AID MEASURES

Inhalation Remove the source of contamination or move the victim to fresh air. Seek medical attention if condition persists.

Ingestion Immediately rinse mouth with water. Give water to drink. DO NOT INDUCE vomiting. Seek immediate medical assistance Note: Never give an unconscious person anything to drink

Skin Remove contaminated clothing and wash skin thoroughly with soap and water. Seek medical attention if irritation occurs.

Eye Rinse immediately with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical advice.

Contact lenses should only be removed by Experienced Personnel.

First Aid Facilities Eye wash station, safety shower and normal washroom facilities.

Advice to Doctor Treat symptomatically and supportively.

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5. FIRE FIGHTING MEASURES

As in any fire, wear an approved self-contained breathing apparatus in pressure-demand, and full protective gear.

Extinguishing Media Use water spray, dry chemical, carbon dioxide, fog or ordinary foam.

Specific Methods If possible to do safely, move smoldering activated carbon to a non-hazardous area, preferably out of doors.

Specific Hazards Contact with strong oxidizers may cause fire or explosion. Activated carbon mixed with hydrocarbons, such as oils, diesel fuel, petrol (gasoline), organic solvents, paint thinners, grease, etc is prone to spontaneous combustion.

Hazardous

Combustion Products

Combustion products may include smoke and oxides of carbon (for example, carbon monoxide). Materials allowed to smolder for long periods in enclosed spaces, may produce amount of carbon monoxide which reach the lower explosive limit (carbon monoxide LEL= 12.5% in air). Under certain conditions, any airborne dust may be an explosion hazard. Used activated carbon may produce additional combustion products.

Ignition Temperature >200 deg C.

Flammable Limits

LEL

NA

Flammability The product is combustible. Smoldering produces carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Wear suitable protective clothing. Shut off ignition sources; with clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.

7. HANDLING AND STORAGE

Handling 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.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure

Standards

No exposure standards have been established for this material, by Worksafe Australia however the TWA exposure standard for dusts/mists not otherwise specified is 10mg/m³. Respirable Fraction: 5 mg/m³

Respiratory

Protection

None required where adequate ventilation conditions exist. If airborne concentration is high a dust/mist respirator is recommended. If concentration exceeds capacity of respirator, a self-contained breathing apparatus is advised.

Eye Protection Safety glasses with sideshields.

Hand Protection Rubber Protective gloves are recommended.

Eng. Controls A system of local and/or general exhaust is recommended to keep employee exposure below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Hygiene Measures Clean with water and soap.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Black powder or granules

Odour Odourless

Solubility in Water Insoluble

Density (Bulk) - Granular Grades / 21-25 lbs/ft³

(Bulk) - Powder Grades / 15-35 lbs/ft³

The product is combustible. Smoldering produces carbon monoxide.

Ignition Temperature >200 deg C.

Flammable Limits

LEL

NA

Other Information Bulk density : 300-500 kg/m³

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Hazardous

Polymerization

Will not occur.

Materials to Avoid Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in rapid combustion.

Hazardous

Decomposition

Products

Oxides of Carbon.

Hazardous Reaction exothermic reaction with strong oxidizing agents.

Conditions to Avoid Avoid contact with strong acids.

11. TOXICOLOGICAL INFORMATION

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Worksafe Australia lists (May 1995).

12. ECOLOGICAL INFORMATION

Environ. Protection Given the insolubility of the product in water, the product is separated by all filtration and sedimentation processes.

Environmental Fate The material, in its original state, is not harmful to the environment. Used activated carbon may exhibit characteristics of the absorbed material.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Dispose in accordance with local, state and federal Waste Management Authority regulations.

14. TRANSPORT INFORMATION

U.N. Number None Allocated

DG Class None Allocated

Hazchem Code None Allocated

Packing Group None Allocated

15. REGULATORY INFORMATION

16. OTHER INFORMATION

Contact Person/Point Mr. Gray Boston

TELEPHONE (07) 3868 0333

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