

CHARCOAL ACTIVATED

Material Safety Data Sheet

Mallinckrodt Chemical Inc.

P.O. Box 800

Paris, Kentucky 40362

Emergency Telephone Number

314-539-1600

Effective Date: 08-01-85

PRODUCT IDENTIFICATION:

Synonyms: Activated carbon; carbon black

Formula CAS No.: 7440-44-0

Molecular Weight: 12.01

Hazardous Ingredients: Carbon

Chemical Formula: C

PRECAUTIONARY MEASURES

WARNING! FLAMMABLE!

Keep away from heat, sparks and flame.

Keep container closed.

Use with adequate ventilation.

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

EMERGENCY FIRST AID

SEE SECTION 5.

Physical Data

SECTION 1

Appearance: Fine black powder.

Odor: Odorless.

Solubility: Insoluble in water.

Boiling Point: No information found.

Vapor Density (Air=1): No information found.

Melting Point: No information found.

Vapor Pressure (mm Hg): No information found.

Specific Gravity: 3.51

Evaporation Rate: No information found.

Fire and Explosion

SECTION 2

Information-----
Fire:

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

Explosion:

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Minimum explosible concentration 0.140 g/l.

Fire Extinguishing Media:

Water or water spray.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Reactivity Data

SECTION 3

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition

Products:

Involvement in a fire causes formation of carbon dioxide and carbon monoxide.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Liquid air and oxidizing materials.

Leak/Spill Disposal Information

SECTION 4

Remove all sources of ignition. Ventilate area of leak or spill. Clean-up personnel may require protection from inhalation of dust. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools. Pick up spill for recovery or disposal and place in a closed container. Disposal: Whatever cannot be saved for recovery may be burned in an approved incinerator or disposed in an approved waste facility. Warning! Spent product may have absorbed hazardous materials.

Ensure compliance with local, state and federal regulations.

Health Hazard Information

SECTION 5

A. Exposure/Health Effects

Inhalation:

May cause irritation to mucous membranes.

Ingestion:

Extremely large oral dosages may produce gastrointestinal disturbances.

Skin Contact:

No adverse effects expected.

Eye Contact:

No adverse effects expected but dust may cause mechanical irritation.

Chronic Exposure:

Prolonged inhalation of excessive dust may produce pulmonary disorders.

Aggravation of

Pre-existing Conditions: No information found.

B. FIRST AID

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Exposure:

Not expected to require first aid measures.

Eye Exposure:

Wash thoroughly with running water. Get medical advice if irritation develops.

C. TOXICITY

(RTECS, 1986)

No information found.

Occupational Control Measures

SECTION 6

Airborne Exposure Limits: None established.

Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved) For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

Storage and Special Information

SECTION 7

Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from oxidizing materials. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment.

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Addendum to Material Safety Data Sheet

REGULATORY STATUS

Hazard Categories for SARA
Section 311/312 Reporting

Acute	Chronic	Fire	Pressure	Reactive
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		X		

Product or Components of Product:	SARA EHS Sec. 302		SARA Sec. 313 Chemicals		CERCLA Sec. 103	RCRA Sec. 261.33
	RQ	TPQ	Name List	Chemical Category	RQ lbs	
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CHARCOAL ACTIVATED (7440-44-0)	No	No	No	No	No	No

SARA Section 302 EHS RQ:

Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

SARA Section 302 EHS TPQ:

Threshold Planning Quantity of Extremely Hazardous substance. An asterisk (*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 LBS.

SARA Section 313 Chemicals:

Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

CERCLA Sec. 103:

Comprehensive Environmental Response, Compensation and Liability Act (Superfund) Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4

RCRA:

Resource Conservation and Recovery Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33

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