

# Safety Data Sheet

Coal, Bituminous

**CAROLINA<sup>®</sup>**  
www.carolina.com

## Section 1 Product Description

Product Name: Coal, Bituminous  
Recommended Use: Science education applications  
Synonyms: Washed Coal, Clean Coal, Soft Coal  
Distributor: Carolina Biological Supply Company  
2700 York Road, Burlington, NC 27215  
1-800-227-1150  
Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)  
Chemtrec: 800-424-9300 (Transportation Spill Response 24 hours)

## Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

**WARNING**



Causes eye irritation. May cause damage to organs through prolonged or repeated exposure.

GHS Classification:

Serious Eye Damage/Eye Irritation Category 2B, Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2

## Section 3 Composition / Information on Ingredients

Chemical Name	CAS #	%
Coal, Bituminous	RR-14976-8	100

## Section 4 First Aid Measures

### Emergency and First Aid Procedures

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.  
Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
Skin Contact: After contact with skin, wash immediately with plenty of water.  
Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## Section 5 Firefighting Procedures

Extinguishing Media: Use dry chemical, CO2 or appropriate foam.  
Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.  
Fire and/or Explosion Hazards: Avoid Dusting. May become explosive when dispersed in air.  
Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

## Section 6 Spill or Leak Procedures

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## Steps to Take in Case Material Is Released or Spilled:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including: the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Avoid the generation of dusts during clean-up. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Avoid creating dusts. Eliminate ignition sources. If a vacuum is used, ensure that the material is wetted or otherwise treated so an explosive dust atmosphere is not created within the vacuum.

## Section 7

## Handling and Storage

**Handling:** Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Keep away from sources of ignition - No smoking. Do not breathe dust.

**Storage:** Suitable for any general chemical storage.

## Section 8

## Protection Information

**Chemical Name**  
No data available

**ACGIH**  
(TWA)  
N/A

(STEL)  
N/A

**OSHA PEL**  
(TWA)  
N/A

(STEL)  
N/A

### Control Parameters

#### Engineering Measures:

No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

#### Personal Protective Equipment (PPE):

Lab coat, apron, eye wash, safety shower.

#### Respiratory Protection:

No respiratory protection required under normal conditions of use.

#### Eye Protection:

Wear chemical splash goggles when handling this product. Have an eye wash station available.

#### Skin Protection:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

#### Gloves:

No information available

## Section 9

## Physical Data

**Formula:** N/A

**Molecular Weight:** N/A

**Appearance:** Lumps

**Odor:** Mild

**Odor Threshold:** No data available

**pH:** No data available

**Melting Point:** 399 C

**Boiling Point:** No data available

**Flash Point:** 260 C

**Flammable Limits in Air:** N/A

**Vapor Pressure:** N/A

**Evaporation Rate (BuAc=1):** N/A

**Vapor Density (Air=1):** N/A

**Specific Gravity:** 1.2

**Solubility in Water:** Practically Insoluble

**Log Pow (calculated):** No data available

**Autoignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

**Percent Volatile by Volume:** N/A

## Section 10

## Reactivity Data

#### Reactivity:

Not generally reactive under normal conditions.

#### Chemical Stability:

Stable under normal conditions.

#### Conditions to Avoid:

Sparks, open flame, other ignition sources, and elevated temperatures.

#### Incompatible Materials:

Strong oxidizing agents

#### Hazardous Polymerization:

Will not occur

## Section 11

## Toxicity Data

**Routes of Entry**  
**Symptoms (Acute):**

Inhalation.  
Respiratory disorders

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Delayed Effects: No data available

## Acute Toxicity:

Chemical Name  
No data available

CAS Number  
RR-14976-8

Oral LD50  
Not determined

Dermal LD50  
Not determined

Inhalation LC50  
Not determined

## Carcinogenicity:

Chemical Name  
No data available

CAS Number  
RR-14976-8

IARC  
Not listed

NTP  
Not listed

OSHA  
Not listed

## Chronic Effects:

Mutagenicity:

No evidence of a mutagenic effect.

Teratogenicity:

No evidence of a teratogenic effect (birth defect).

Sensitization:

No evidence of a sensitization effect.

Reproductive:

No evidence of negative reproductive effects.

Target Organ Effects:

Acute:

No information available

Chronic:

Certain components or species of this product are considered potential carcinogens.

## Section 12

### Ecological Data

Overview:

This material is not expected to be harmful to the ecology.

Mobility:

No data

Persistence:

No data

Bioaccumulation:

No data

Degradability:

No data

Other Adverse Effects:

No data

Chemical Name

N/A

CAS Number

RR-14976-8

Eco Toxicity

## Section 13

### Disposal Information

Disposal Methods:

Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Waste Disposal Code(s):

Not Determined

## Section 14

### Transport Information

Ground - DOT Proper Shipping Name:

Not regulated for transport by DOT

Air - IATA Proper Shipping Name:

Not regulated for air transport by IATA.

## Section 15

### Regulatory Information

TSCA Status:

A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances. Product is for research and development use only.

Chemical Name

CAS  
Number

§ 313 Name

§ 304 RQ

CERCLA RQ

§ 302 TPQ

CAA 112(2)  
TQ

No data available

RR-14976-8

No

No

No

No

No

## Section 16

### Additional Information

Revised: 09/09/2015

Replaces: 09/03/2014

Printed: 10-29-2015

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

## Glossary

# Safety Data Sheet

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
CAS	Chemical Abstract Service Number	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
DOT	U.S. Department of Transportation	ppm	Parts per million
IARC	International Agency for Research on Cancer	RCRA	Resource Conservation and Recovery Act
N/A	Not Available	SARA	Superfund Amendments and Reauthorization Act
		TLV	Threshold Limit Value
		TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health