



Quality Assurance Resources, LLC

# SAFETY DATA SHEET

SDS Sheet Supplied by:



## 1. IDENTIFICATION

**Product identifier** Coal Standard Material

**Other means of identification**

**SDS number** 040

**Part Number** Grind Standard Set (~40, ~60, ~80 and ~100 HGI)

**Recommended use** Calibration Material

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** Quality Assurance Resources, LLC

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United States

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## 2. HAZARDS IDENTIFICATION

**Physical hazards** Not classified.

**Health Hazards** Acute toxicity, oral Category 4  
Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2B  
Specific target organ toxicity, single exposure Category 3 respiratory tract irritation  
Specific target organ toxicity, repeated exposure Category 2

**Environmental hazard** Not classified.

**OSHA defined hazard** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Harmful if swallowed. Causes skin irritation. Causes eye irritation. May cause respiratory irritation. May cause damage to organs (lungs) through prolonged or repeated exposure by inhalation.

**Precautionary statement**

**Prevention** Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves.

**Response** If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell.

<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise Classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Bituminous Coal		N/A	100

### 4. FIRST-AID MEASURES

<b>Inhalation</b>	Move to fresh air. Get medical attention, if needed.
<b>Skin contact</b>	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Never give anything by mouth to a victim who is unconscious or is having convulsions. Call a physician or poison control center immediately.
<b>Most important symptoms/effects, acute and delayed</b>	Not available.

### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media</b>	Not available.
<b>Specific hazards arising from the chemical</b>	High concentration of airborne dust may form explosive mixture with air.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Do not breathe dust. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up.
<b>Methods and materials for containment and cleaning up</b>	Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Sweep up or vacuum up spillage and collect in suitable container for disposal.
<b>Environmental precautions</b>	Avoid release to the environment.

### 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Keep away from heat and sources of ignition. Do not breathe dust. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. Avoid prolonged exposure.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

**U.S. –OSHA**

<u>Material</u>	<u>Type</u>	<u>Value</u>
COAL DUST: BITUMINOUS, PARTICULATE	TWA	2 mg/m <sup>3</sup>

**ACGIH**

<u>Material</u>	<u>Type</u>	<u>Value</u>
COAL DUST: BITUMINOUS, PARTICULATE	TWA	2 mg/m <sup>3</sup>

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Provide adequate general and local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Wear suitable gloves.

**Other** Wear suitable protective clothing.

**Respiratory protection** Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

**Thermal hazards** Not available.

**General hygiene considerations** Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

**Physical state** Solid

**Form** Powder

**Color** Dark brown to black.

**Odor** Not available.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** Not available.

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit -lower (%)** Not available.

**Flammability limit –upper (%)** Not available.

**Explosive limit -lower (%)** Not available.

**Explosive limit -upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Insoluble

**Partition coefficient** Not available.

(n-octanol/water)

**Auto-ignition temperature** Not available.  
**Decomposition temperature** Not available.  
**Viscosity** Not available.

## 10. STABILITY AND REACTIVITY

**Reactivity** Not available.  
**Chemical stability** Material is stable under normal conditions.  
**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.  
**Conditions to avoid** Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.  
**Incompatible materials** Strong oxidizing agents.  
**Hazardous decomposition products** Carbon oxides. Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Inhalation** Dust may irritate respiratory system. May cause damage to organs through prolonged or repeated exposure by inhalation.  
**Skin contact** Dust or powder may irritate the skin.  
**Eye contact** Dust may irritate the eyes.  
**Ingestion** Harmful if swallowed.  
**Symptoms related to the physical, chemical and toxicological characteristics** Dusts may irritate the respiratory tract, skin and eyes.

### Information on toxicological effects

**Acute toxicity** Not available.  
**Skin corrosion/irritation** Not available.  
**Serious eye damage/eye irritation** Not available.  
**Respiratory or skin sensitization**  
**Respiratory sensitization** Not available.  
**Skin sensitization** Not available.  
**Germ cell mutagenicity** Not available.  
**Carcinogenicity**

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.  
**Reproductive toxicity** Not available.  
**Specific target organ toxicity - single exposure** May cause respiratory irritation.  
**Specific target organ toxicity - repeated exposure** May cause damage to organs through prolonged or repeated exposure.  
**Aspiration hazard** Not available.

## 12. ECOLOGICAL INFORMATION

**Eco toxicity** No eco toxicity data noted for the ingredient(s).  
**Persistence and degradability** No data is available on the degradability of this product.  
**Bio accumulative potential** No data available.  
**Mobility in soil** No data available.  
**Other adverse effects** Not available.

## 13. DISPOSAL CONSIDERATION

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Hazardous waste code** Not available.  
**Waste from residues / unused products** Not available.  
**Contaminated packaging** Not available.

#### 14. TRANSPORT INFORMATION

**DOT** Not regulated as dangerous goods.  
**IATA** Not regulated as dangerous goods.  
**IMDG** Not regulated as dangerous goods.  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

#### 15. REGULATORY INFORMATION

##### US federal regulations

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
Not regulated.  
**CERCLA Hazardous Substance List (40 CFR 302.4)**  
Not listed.  
**SARA 304 Emergency release notification**  
Not regulated.  
**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**  
Not listed.

##### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard -Yes  
Delayed Hazard -Yes  
Fire Hazard -No  
Pressure Hazard -No  
Reactivity Hazard -No

**SARA 302 Extremely hazardous substance**  
Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**  
Not regulated.

##### Other federal regulations

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**  
Not regulated.  
**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**  
Not regulated.  
**Safe Drinking Water Act (SDWA)** Not regulated.

##### US state regulations

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**  
Not listed.  
**US. Massachusetts RTK -Substance List**  
Not regulated.  
**US. New Jersey Worker and Community Right-to-Know Act**  
Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

Known as cancer causing for silica crystalline particles of respirable size.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Issue date** 07-07-2015  
**Version #** 01  
**HMIS® ratings** Health: 2  
 Flammability: 2  
 Physical hazard: 0

**NFPA ratings** Health: 2  
 Flammability: 2  
 Instability: 0

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