

# SAFETY DATA SHEET

Preparation Date: 4/20/2015

Revision Date: 4/20/2015

Revision Number: G1

**Product identifier**

**Product code:** C1268  
**Product Name:** CHARCOAL, ACTIVATED, NORIT(R) RBHG, 3 MM PELLET

**Other means of identification**

**Synonyms:** No information available  
**CAS #:** 7440-44-0  
**RTECS #** FF5250100  
**CI#:** Not available

**Recommended use of the chemical and restrictions on use**

**Recommended use:** No information available.  
**Uses advised against** No information available

**Supplier:** Spectrum Chemicals and Laboratory Products, Inc.  
14422 South San Pedro St.  
Gardena, CA 90248  
(310) 516-8000

**Order Online At:** <https://www.spectrumchemical.com>

**Emergency telephone number** Chemtrec 1-800-424-9300  
**Contact Person:** Martin LaBenz (West Coast)  
**Contact Person:** Ibad Tirmiz (East Coast)

## 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Label elements**

Not classified

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

Not available

**Product code:** C1268

**Product name:** CHARCOAL,  
ACTIVATED, NORIT(R) RBHG, 3 MM  
PELLET

1 / 11

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components                      | CAS-No.   | Weight % | Trade Secret |
|---------------------------------|-----------|----------|--------------|
| Charcoal activated<br>7440-44-0 | 7440-44-0 | 100      | *            |

### 4. FIRST AID MEASURES

#### First aid measures

#### **General Advice:**

Poison information centers in each State capital city can provide additional assistance for scheduled poisons (13 1126)

#### **Skin Contact:**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops.

#### **Eye Contact:**

Flush eye with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.

#### **Inhalation:**

Move to fresh air. If breathing is difficult, give oxygen. In case of shortness of breath, give oxygen. Get medical attention.

#### **Ingestion:**

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

#### **Most important symptoms and effects, both acute and delayed**

#### **Symptoms**

Health injuries are not known or expected under normal use. If very large amounts are ingested, it may cause vomiting, decreased gastrointestinal transit time, gastrointestinal obstruction, constipation, intestinal perforation.

#### **Indication of any immediate medical attention and special treatment needed**

#### **Notes to Physician:**

Treat symptomatically

#### **Protection of first-aiders**

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

#### **Suitable Extinguishing Media:**

It is non-combustible under normal circumstances and difficult to ignite. However, once ignited, the fire generally burns slowly (smolders) with a dull glow and without producing smoke or flame. Extinguish the fire using water fog, fine water spray, carbon dioxide or foam.

#### **Unsuitable Extinguishing Media:**

No information available.

#### Specific hazards arising from the chemical

#### **Hazardous Combustion Products:**

Carbon monoxide; Carbon dioxide

**Specific hazards:**

Activated carbons have a high surface area which may cause self-heating during oxidation. An adequate air gap between packages of activated carbon is recommended to reduce the risk of propagation of the event

**Special Protective Actions for Firefighters**

**Specific Methods:**

No information available.

**Special Protective Equipment for Firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions:**

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**

**Methods for containment**

Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

**Methods for cleaning up**

Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Keep away from incompatible materials.

**Safe Handling Advice:**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not ingest. Do not breathe vapours/dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

**Incompatible Materials:**

Strong oxidizing agents. Strong acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**National occupational exposure limits**

U.S Occupational Exposure Limits: Not determined

**United States**

**Product code:** C1268

**Product name:** CHARCOAL,  
ACTIVATED, NORIT(R) RBHG, 3 MM  
PELLET

**3 / 11**

| Components                     | OSHA | NIOSH | ACGIH | AIHA WHEEL |
|--------------------------------|------|-------|-------|------------|
| Charcoal activated - 7440-44-0 | None | None  | None  | None       |

## Canada

Canada Occupational Exposure Limits: Not determined

| Components                     | Alberta | British Columbia | Ontario | Quebec |
|--------------------------------|---------|------------------|---------|--------|
| Charcoal activated - 7440-44-0 | None    | None             | None    | None   |

## Australia and Mexico

Occupational Exposure Limits for Australia and Mexico: Not determined

| Components                      | Australia | Mexico                  |
|---------------------------------|-----------|-------------------------|
| Charcoal activated<br>7440-44-0 | None      | 2 mg/m <sup>3</sup> TWA |

## Appropriate engineering controls

### Engineering measures to reduce exposure:

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

## Individual protection measures, such as personal protective equipment

### Personal Protective Equipment

**Eye protection:** Safety glasses with side-shields. Goggles.

**Skin and body protection:** Long sleeved clothing. Chemical resistant apron. Gloves.

**Respiratory protection:** Wear respirator with dust filter..

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |   |   |
|--|---|---|
| <b>Physical state:</b><br>Solid.                                     | <b>Appearance:</b><br>Pellets.  | <b>Color:</b><br>Black.                                       |
| <b>Odor:</b><br>Odorless.  | <b>Taste</b><br>No information available                                    | <b>Molecular/Formula weight:</b><br>12.01                     |
| <b>Formula:</b><br>C   | <b>Flash point (°C):</b><br>No data available                               | <b>Flashpoint (°C/°F):</b><br>No information available.       |
| <b>Flash Point Tested according to:</b><br>Not available             | <b>Lower Explosion Limit (%):</b><br>No information available               | <b>Upper Explosion Limit (%):</b><br>No information available |
| <b>Autoignition Temperature (°C/°F):</b><br>No information available | <b>pH:</b><br>No information available                                      | <b>Melting point/range(°C/°F):</b><br>3500°C/6332°F           |
| <b>Boiling point/range(°C/°F):</b><br>No information available       | <b>Decomposition temperature(°C/°F):</b><br>No information available        | <b>Bulk density:</b><br>No information available              |
| <b>Specific gravity:</b><br>3.51                                     | <b>Vapor pressure @ 20°C (kPa):</b><br>No information available             | <b>Density (g/cm3):</b><br>No information available           |
| <b>Evaporation rate:</b><br>No information available                 | <b>Vapor density:</b><br>No information available                           | <b>VOC content (g/L):</b><br>No information available         |
| <b>Odor threshold (ppm):</b><br>No information available             | <b>Partition coefficient (n-octanol/water):</b><br>No information available | <b>Viscosity:</b><br>No information available                 |
| <b>Miscibility:</b><br>No information available                      | <b>Solubility:</b><br>Insoluble in water                                    |   |

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactive with oxidizing agents

Reactive with strong acids

Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, chlorine trifluoride, ammonium nitrate, ammonium perchlorate, potassium peroxide, permanganate may result in rapid combustion

At high temperature, a mixture of mercurous nitrate and carbon decomposes explosively

Iodine pentoxide reacts explosively when warmed with carbon

A combination of finely divided carbon with finely divided bromates (also chlorates, or iodates) of barium, calcium, magnesium, potassium, sodium or zinc will explode with heat, percussion, and sometimes light friction

Pulverized carbon reacts violently with nitric acid

Zinc nitrate explodes when sprinkled on hot carbon

Lead nitrate reacts with brilliant sparks when projected on red-hot carbon

### Chemical stability

**Stability:** Stable under recommended storage conditions

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Incompatible materials.

**Incompatible Materials:** Strong oxidizing agents. Strong acids.

**Hazardous decomposition products:** Carbon monoxide. Carbon dioxide.

### Other Information

**Product code:** C1268

**Product name:** CHARCOAL,  
ACTIVATED, NORIT(R) RBHG, 3 MM  
PELLET

5 / 11

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**

Ingestion. Skin.

### Acute Toxicity

### Component Information

*Charcoal activated - 7440-44-0*

**LD50/oral/rat** = >10000 mg/kg Oral LD50 Rat

**LD50/oral/mouse** = >5000 mg/kg

**LD50/dermal/rabbit** = No information available

**LD50/dermal/rat** = No information available

**LC50/inhalation/rat** = No information available

**LC50/inhalation/mouse** = No information available

**Other LD50 or LC50 information** = >5000 mg/kg LD50 Oral Dog

### Product Information

**LD50/oral/rat** =

**VALUE- Acute Tox Oral** = >10000mg/kg

**LD50/oral/mouse** =

**Value - Acute Tox Oral** = >5000 mg/kg

**LD50/dermal/rabbit**

**VALUE-Acute Tox Dermal** = No information available

**LD50/dermal/rat**

**VALUE -Acute Tox Dermal** = No information available

**LC50/inhalation/rat**

**VALUE-Vapor** = No information available

**VALUE-Gas** = No information available

**VALUE-Dust/Mist** = No information available

**LC50/Inhalation/mouse**

**VALUE-Vapor** = No information available

**VALUE - Gas** = No information available

**VALUE - Dust/Mist** = No information available

### Symptoms

**Skin Contact:** Not likely to cause skin irritation.

**Eye Contact:** Not likely to cause eye irritation.

**Product code:** C1268

**Product name:** CHARCOAL,  
ACTIVATED, NORIT(R) RBHG, 3 MM  
PELLET

6 / 11

**Inhalation** No irritation is expected to be associated with inhalation of this material. Not expected to be an inhalation hazard.

**Ingestion** May cause vomiting, decreased gastrointestinal transit time, gastrointestinal obstruction, constipation, intestinal perforation.

**Aspiration hazard** No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Chronic Toxicity** No information available

**Sensitization:** No information available

**Mutagenic Effects:** No information available

**Carcinogenic effects:** Not considered carcinogenic

| Components         | ACGIH - Carcinogens | IARC       | NTP        | OSHA HCS - Carcinogens | Australia - Prohibited Carcinogenic Substances | Australia - Notifiable Carcinogenic Substances |
|--------------------|---------------------|------------|------------|------------------------|--|--|
| Charcoal activated | Not listed          | Not listed | Not listed | Not listed             | Not listed                                     | Not listed                                     |

**Reproductive toxicity** No data is available

**Reproductive Effects:** No information available  
**Developmental Effects:** No information available  
**Teratogenic Effects:** No information available

**Specific Target Organ Toxicity**

**STOT - single exposure** No information available  
**STOT - repeated exposure** No information available  
**Target Organs:** No information available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ecotoxicity effects:** No data available.

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available

**Mobility:** No information available

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**

Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**

Empty containers should be taken for local recycling, recovery or waste disposal

| Components         | RCRA - F Series Wastes | RCRA - K Series Wastes | RCRA - P Series Wastes | RCRA - U Series Wastes |
|--------------------|------------------------|------------------------|------------------------|------------------------|
| Charcoal activated | None                   | None                   | None                   | None                   |

### 14. TRANSPORT INFORMATION

**DOT**

**UN-No:** Not a DOT controlled material (United States).  
 Removed DOT regulation on 3/20/09. This carbon is steam activated. The following is an explanation for removing the DOT regulation  
 While you will find an entry for "Carbon, activated" in Table 172.101 of 49 CFR Hazardous Materials Regulations, that does not apply to ALL types of activated carbon. Under 173.124(b)(2) of 49 CFR you will find the definition of a self-heating material and a reference to the tests used for classification. NORIT lignite and bituminous based carbons consistently pass this test and therefore do not have to be classified as a Hazardous Material. There are basically two types of processes used in the manufacturing of activated carbon. One is called chemical activation and the other is called steam activation. While this is not addressed in 49 CFR the industry has determined that products made through steam activation will consistently pass the self-heating tests. Products made under the chemical activation process will not pass this test and therefore must be classified as hazardous. Interestingly, the International Maritime Dangerous Goods (IMDG) Code does reference the differences in production processes that CFR 49 ignores

**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** Not applicable  
**Packing Group:** None  
**ERG No:** No information available  
**Marine Pollutant:** No data available  
**DOT RQ (lbs):** No information available

**TDG (Canada)**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Description:** No information available

**ADR**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Packing Group:** No information available  
**Subsidiary Risk:** No information available  
**Classification Code:** No information available  
**Description:** No information available  
**CEPIC Tremcard No:** No information available



## 14. TRANSPORT INFORMATION

### IMO / IMDG

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Description:** No information available  
**IMDG Page:** No information available  
**Marine Pollutant** No information available  
**MFAG:** No information available  
**Maximum Quantity:** No information available

### RID

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Classification Code:** No information available  
**Description:** No information available

### ICAO

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Description:** No information available

### IATA

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Description:** No information available

## 15. REGULATORY INFORMATION

### International Inventories

| Components                | U.S. TSCA | KOREA KECL       | Philippines (PICCS) | Japan ENCS  | CHINA   | Australia (AICS) | EINECS-No.        |
|---------------------------|-----------|------------------|---------------------|-------------|---------|------------------|-------------------|
| <i>Charcoal activated</i> | Present   | Present KE-04671 | Present             | Not present | Present | Present          | Present 231-153-3 |

### U.S. Regulations

#### California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

##### Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

##### Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

**Product code:** C1268

**Product name:** CHARCOAL,  
ACTIVATED, NORIT(R) RBHG, 3 MM  
PELLET

9 / 11

| Components         | Carcinogen | Developmental Toxicity | Male Reproductive Toxicity | Female Reproductive Toxicity: |
|--------------------|------------|------------------------|----------------------------|-------------------------------|
| Charcoal activated | Not Listed | Not Listed             | Not Listed                 | Not Listed                    |

#### CERCLA/SARA

| Components         | CERCLA - Hazardous Substances and their Reportable Quantities | Section 302 Extremely Hazardous Substances and TPQs | Section 302 Extremely Hazardous Substances and RQs | Section 313 - Chemical Category | Section 313 - Reporting <i>de minimis</i> |
|--------------------|---|---|--|---------------------------------|---|
| Charcoal activated | None  | None  | None   | None                            | None                                      |

#### U.S. TSCA

| Components         | TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS) | TSCA 8(d) -Health and Safety Reporting |
|--------------------|---|--|
| Charcoal activated | Not Applicable  | Not Applicable                         |

#### Canada

##### WHMIS hazard class:

Non-controlled

##### Charcoal activated

Uncontrolled product according to WHMIS classification criteria

##### Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

#### Inventory

| Components         | Canada (DSL) | Canada (NDSL) |
|--------------------|--------------|---------------|
| Charcoal activated | Present      | Not Listed    |

| Components         | CEPA Schedule I - Toxic Substances | CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting |
|--------------------|------------------------------------|---|
| Charcoal activated | Not listed                         | Not listed  |

#### EU Classification

##### S -phrase(s)

none

| Components         | Classification | Concentration Limits: | Safety Phrases |
|--------------------|----------------|-----------------------|----------------|
| Charcoal activated |                | No information        |                |

The product is classified in accordance with Annex VI to Directive 67/548/EEC

##### Indication of danger:

None.

Product code: C1268

Product name: CHARCOAL,  
ACTIVATED, NORIT(R) RBHG, 3 MM  
PELLET

10 / 11

## 16. OTHER INFORMATION

**Preparation Date:** 4/20/2015  
**Revision Date:** 4/20/2015  
**Prepared by:** Sonia Owen

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**