



## SAFETY DATA SHEET

PRODUCT NAME: ACTIVATED CARBON

### IDENTIFICATION

**Product Name:** Activated Carbon  
**Other Names:**  
**Product Code:** ZACARB  
**Uses:** Activated carbon has many industrial applications.  
**Restrictions:** None

**Supplier:** HamChem Hamilton Chemicals Ltd, 75 Ruffell Rd, Hamilton  
Phone: 079744971 Email: [info@hamchem.co.nz](mailto:info@hamchem.co.nz), Web: [www.hamchem.nz](http://www.hamchem.nz)

- In emergency dial 111, and then ask for Fire, Ambulance or Police as necessary.
- In case of poisoning phone National Poisons Centre – 0800 764 766

### HAZARD IDENTIFICATION

**Statement of Hazardous Nature:** This product is not classified as hazardous

### COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Carbon	7440-44-0	Pure*

\*Commercially pure. May include small quantities of materials due to manufacturing or reaction processes.

### FIRST AID MEASURES

**General Information:** You should call the National Poisons Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 0800 764 766 and is available at all times. Have this SDS with you when you call.

**Inhalation:** First aid is not generally required. If in doubt, contact a Poisons Information Centre or a Doctor.

**Skin Contact:** Gently brush away excess solids. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until carbon is removed.

**Eye Contact:** Quickly and gently brush particles from eyes. Immediately flush the contaminated eye/s with lukewarm, gently flowing water until the particles are removed, while holding the eyelid/s open. Obtain medical attention if irritation persists, or if particles are lodged in surface of the eye/s. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a Doctor.

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### **FIRE FIGHTING MEASURES**

**Fire & Explosion Hazards:** There is no risk of explosion from this product under normal circumstances if it is involved in a fire. This product, if scattered, may form flammable or explosive dust clouds in air. Fire decomposition products from this product are likely to be harmful if inhaled. Take suitable protective measures. Due to the thermal insulation properties of carbon, fire may continue undetected for extended periods of time. Product may intensely burn beneath the surface, giving little evidence of combustion.

**Extinguishing Media:** Suitable extinguishing media are carbon dioxide, dry chemical, foam, water fog.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade. Do not scatter spilled material with high pressure water jets.

### **ACCIDENTAL RELEASE MEASURES**

**Accidental Release:** Minor spills do not normally need any special clean up measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include cotton, rubber, PVC. Eye/Face protective equipment should comprise as a minimum, protective glasses, and preferably, goggles. If there is a significant chance that dusts are likely to build up in clean up area, we recommend you use a suitable dust mask. Use a P1 mask, designed for use against mechanically generated particles e.g. silica and asbestos. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending clothing to laundry.

### **HANDLING & STORAGE**

**Handling:** Keep exposure to this product to a minimum, and minimize the quantities kept in work areas. Check Exposure Controls & Personal Protection section of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under 'Storage' should be followed during handling in order to minimize risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in the Stability & Reactivity section of this SDS.

**Storage:** Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Keep away from sources of ignition such as sparks and open flames. Make sure that the product does not come into contact with substances listed under 'Incompatibilities' in the Stability & Reactivity section of this SDS. Wet activated carbon depletes oxygen from air and, therefore, dangerously low levels of oxygen may be encountered. Whenever workers enter a vessel that contains or recently contained activated carbon in significant quantities, the vessel's oxygen content should be determined and safe work procedures for potentially low oxygen areas be followed. Appropriate protective equipment should be worn. Check packaging – there may be further storage instructions on the label.

### **EXPOSURE CONTROLS & PERSONAL PROTECTION**

The following Australian/NZ Standards will provide general advice regarding safety clothing and equipment: Respiratory Equipment AS/NZS 1715, Protective Gloves AS2161, Industrial Clothing AS2919, Industrial Eye Protection AS1336 and AS/NZS 1337, Occupational Protective Footwear AS/NZ2210.

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**Exposure Limits** – Exposure limits have not been established by Work Safe NZ for this product.

No special equipment is usually needed when handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used where there is ventilation that is adequate to keep exposure below TWA levels. If necessary, use a fan.

**Eye Protection:** Eye Protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

**Skin Protection:** The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves, preferably elbow length, when skin contact is likely.

**Protective Material Types:** We suggest that protective clothing be made from the following materials; cotton, rubber or PVC.

**Respirator:** If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend you use a suitable dust mask.

<b>PHYSICAL &amp; CHEMICAL PROPERTIES</b>
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<b>Physical Description &amp; Colour:</b>	Black granulated extrudate or powder
<b>Odour:</b>	No odour
<b>Boiling Point:</b>	Not available
<b>Freezing Point/Melting Point:</b>	No specific data. Solid at normal temperatures
<b>Volatiles:</b>	No specific data. Expected to be low at 100°C
<b>Vapour Pressure:</b>	Negligible at normal ambient temperatures
<b>Vapour Density:</b>	No data
<b>Specific Gravity:</b>	No data. Bulk density 0.2-0.6
<b>Water Solubility:</b>	Insoluble
<b>pH:</b>	No data. Suspensions may be slightly alkaline
<b>Volatility:</b>	Negligible at normal ambient temperatures
<b>Odour Threshold:</b>	No data
<b>Evaporation Rate:</b>	No data
<b>Coeff Oil/Water Distribution:</b>	No data
<b>Autoignition Temperature:</b>	No data

<b>STABILITY &amp; REACTIVITY</b>
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**Reactivity:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** Keep containers tightly closed. Containers should be kept dry. Keep away from sources of sparks or ignition.

**Incompatibles:** Strong oxidizing agents.

**Fire Decomposition:** Carbon dioxide, usually without carbon monoxide and smoke.

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**Polymerisation:** This product will not undergo polymerization reactions.

#### **TOXICOLOGICAL INFORMATION**

**Toxicity data:** There is no data to hand indicating any particular target organs.

#### **ECOLOGICAL INFORMATION**

This product is unlikely to adversely effect the environment. It will not accumulate in body tissues or be mobile in soils.

#### **DISPOSAL CONSIDERATIONS**

**Disposal:** This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable, consider controlled incineration, or landfill.

#### **TRANSPORT INFORMATION**

This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

#### **REGULATORY INFORMATION**

No regulatory information available.

#### **OTHER INFORMATION**

**Date of SDS:** August 2018

**End of SDS.**

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