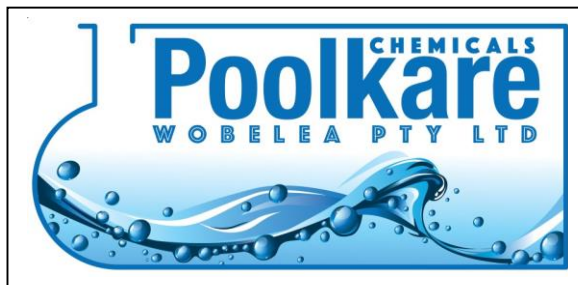


Safety Data Sheet
Activated Carbon (Non-DG)



Issue Date 02.03.2017
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Version One

1. IDENTIFICATION

Product Name	Activated Carbon (Non-DG)
Other Names	Activated Charcoal; Active Carbon; Carbon
Uses	Water & air purification and waste treatment. NoData
Chemical Family	Available C
Chemical Formula	Activated Carbon (Non-DG)
Chemical Name	Steam activated carbon, black granular extrudate or powder. This product is an odourless black granule or extruded pellet. Never enter a confined space containing activated carbon as it will adsorb oxygen and asphyxiation may result. Prolonged or repeated exposure to dust may cause eye and respiratory tract irritation.+
Product Description	

Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Wobelea Pty Ltd	18 Embrey Court, Pakenham Vic 3810	+61-3- 5940 1077

Emergency Contact Details

For emergencies only; DO NOT contact these companies for general product advice.

Organisation	Location	Telephone
Poisons Information Centre Wobelea Pty Ltd	Westmead NSW	13 11 26 03 5997 1690 or 0427367561

2. HAZARD IDENTIFICATION

Poisons Schedule (Aust)	No Data Available
Globally Harmonised System	
Hazard Classification	NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Signal Word

None

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Activated Carbon	No Data Available	7440-44-0	100.0 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	Rinse mouth with water. Give 1/2 pint of warm water to drink. Do NOT induce vomiting. Seek medical attention urgently.
Eye	Promptly flush with running water for 15 minutes including water under eyelids. Obtain medical attention.
Skin	Wash affected area well with water. Remove clothing, clean and dry thoroughly before re-use. Get medical help if irritation develops.
Inhaled	Remove to fresh air. Get medical help if irritation develops.
Advice to Doctor	Treat symptomatically based on individual reactions of patient and judgement of doctor.
Medical Conditions Aggravated by Exposure	No information available on medical conditions aggravated by exposure to this product.

5. FIRE FIGHTING MEASURES

General Measures	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
Flammability Conditions	Product is a non-flammable solid.
Extinguishing Media	Water fog, foam, dry chemical.
Fire and Explosion Hazard	Product is a combustible solid.
Hazardous Products of Combustion	Material will burn in a fire, releasing combustion products of carbon monoxide and carbon dioxide. Other material adsorbed onto the carbon may also be released.
Special Fire Fighting Instructions	Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
Personal Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).
Flash Point	No Data Available
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	>350 °C
Hazchem Code	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	Avoid accidents, clean up immediately. Slippery when spilt. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Use clean, non-sparking tools and equipment. Notify safety personnel for large spills.
Clean Up Procedures	Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and dispose of promptly.
Containment	Stop leak if safe to do so. Isolate the danger area.
Environmental Precautionary Measures	Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.
Evacuation Criteria	Evacuate all unnecessary personnel.
Personal Precautionary Measures	Personnel involved in the clean-up should wear full protective clothing as listed in section 8.

7. HANDLING AND STORAGE

Handling	Follow good handling and housekeeping procedures, avoid spills, accumulation of dust and generation of airborne dust. Avoid prolonged contact with skin and eyes. Avoid inhalation of dust. Wear protective gloves and safety glasses or goggles. Use in a well ventilated area.
Storage	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Keep away from strong oxidisers, strong acids, ignition sources, combustible materials, and heat. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.
Container	Store in original packaging as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	<p>No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC). However, the exposure standard for dust not otherwise specified is 10mg/m³ (for inspirable dust) and 3mg/m³ (for respirable dust).</p> <p>Supplier Information: Maximum permissible exposure limit for inert dust: 6 mg/m³. When exceeded, an irritation of respiratory tract is possible.</p> <p>NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.</p> <p>These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.</p>
Exposure Limits	No Data Available
Biological Limits	No information available on biological limit values for this product.
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
Personal Protection Equipment	<p>RESPIRATOR: Wear an effective dust mask where dusts/vapours are generated and engineering controls are inadequate (AS1715/1716).</p> <p>EYES: Wear safety glasses with side shields, safety goggles or a face shield, especially in dusty conditions. Provide an eye wash station nearby (AS1336/1337).</p> <p>HANDS: Wear gloves (AS2161).</p> <p>CLOTHING: Long-sleeved overalls and safety footwear (AS3765/2210).</p>
Work Hygienic Practices	No Data Available

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Extruded, Granules, Powder

Odour	Typical
Colour	Black
pH	1 - 10
Vapour Pressure	No Data Available
Relative Vapour Density	No Data Available
Boiling Point	No Data Available
Melting Point	No Data Available
Freezing Point	No Data Available
Solubility	Insoluble
Specific Gravity	No Data Available
Flash Point	No Data Available
Auto Ignition Temp	>350 °C
Evaporation Rate	No Data Available
Bulk Density	approx. 200 - 700g/L
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	TGA/TDA under air: 307 deg C (medium reactivity) MIE of dust cloud: >1200mJ (low propensity) Explosivity severity: P max: 6.3 bar (20l sphere) VMP: 175 bar/s Kmax or Kst: 47 bar.m.s-1 Class: St1
Potential for Dust Explosion	Under normal conditions no danger of explosion. In unfavorable conditions may form an explosive dust / air mixture
Fast or Intensely Burning Characteristics	NoDataAvailable
Flame Propagation or Burning Rate of Solid Materials	NoDataAvailable
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available
Properties That May Initiate or Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or Vapours	No Data Available
Release of Invisible Flammable Vapours and Gases	No Data Available

10. STABILITY AND REACTIVITY

General Information Combustible solid.

Chemical Stability	Product is stable under normal conditions of use, storage and temperature.
Conditions to Avoid	Heat and ignition sources, strong oxidisers and combustible materials
Materials to Avoid	Keep away from strong oxidisers, strong acids, ignition sources, combustible materials, and heat.
Hazardous Decomposition Products	On burning, this product will emit toxic fumes, including those of oxides of carbon.
Hazardous Polymerisation	None

11. TOXICOLOGICAL INFORMATION

General Information	No Data Available
Eye/Irritant	Prolonged or repeated exposure to dust may cause eye irritation.
Inhalation	Prolonged or repeated exposure to dust may cause respiratory tract irritation. Never enter a confined space containing activated carbon as it will adsorb oxygen and asphyxiation may result.
Carcinogen Category	No Data Available

12. ECOLOGICAL INFORMATION

Ecotoxicity	Slightly Hazardous
Persistence/Degradability	No Data Available
Mobility	No Data Available
Environmental Fate	No Data Available
Bioaccumulation Potential	No Data Available
Environmental Impact	No Data Available

13. DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice.

14. TRANSPORT INFORMATION

General Information

UN1362: Not Classified as Dangerous Goods Due to Special provisions 223 (A3) and 925:

SP 223 (A3):

If the chemical or physical properties of a substance covered by this description are such that, when tested, it does not meet the established defining criteria for the class or division listed in Column C, or any other class or division, it is not subject to these Regulations.

SP 925:

The provisions of this Code do not apply to:

- non-activated carbon blacks of mineral origin;
- a consignment of carbon if it passes the tests for self-heating substances as reflected in the UN Manual of Tests and Criteria (see 33.3.1.3.3), and is accompanied by a certificate from a laboratory accredited by the competent authority, stating that the product to be loaded has been correctly sampled by trained staff from that laboratory and that the sample was correctly tested and has passed the test; and
- carbons made by a steam activation process

Third party testing demonstrates that dangerous self-heating can occur with this material in a 100 mm sample cube at 140 deg C, but did not occur in a sample cube of 25 mm at 140 deg C, nor in a sample cube of 100 mm at a temperature of 120 deg C.

Land Transport (Australia)

ADG

Proper Shipping Name	ACTIVATED CARBON
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	223; 925

Sea Transport

IMDG

Proper Shipping Name	ACTIVATED CARBON
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	223; 925
EMS	No Data Available
Marine Pollutant	No

Air Transport

IATA

Proper Shipping Name	ACTIVATED CARBON
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	A3 (223)

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

15. REGULATORY INFORMATION

General Information No Data Available
 Poisons Schedule (Aust) No Data Available

National/Regional Inventories

Australia (AICS)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	Not Determined
Europe (REACH)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Not Determined
Philippines (PICCS)	Not Determined
Switzerland (Giffliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

Additional Information IMPORTANT TRANSPORT INFORMATION: Product is classified as UN1362, Dangerous Goods Classification 4.2 (Substances liable to spontaneous combustion). However, this product has been tested and it does not meet the established defining criteria for the UN classification 4.2, therefore following special provisions apply to the below listed international transport regulations: ROAD/RAIL TRANSPORT: Special Provision 223 (ADG7) SEA TRANSPORT : Special Provisions 223, 925 (IMDG 34) AIR TRANSPORT : Special provision A3 (DGR 2009, 50th Edition)

Disclaimer:

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***** END OF SDS *****

16. OTHER INFORMATION

Key/Legend

< Less Than
> Greater Than
AICS Australian Inventory of Chemical Substances
atm Atmosphere
CAS Chemical Abstracts Service (Registry Number)
cm² Square Centimetres
CO₂ Carbon Dioxide
COD Chemical Oxygen Demand
deg C (°C) Degrees Celcius
EPA (New Zealand) Environmental Protection Authority of New Zealand
deg F (°F) Degrees Farenheit
g Grams
g/cm³ Grams per Cubic Centimetre
g/l Grams per Litre
HSNO Hazardous Substance and New Organism **IDLH**
Immediately Dangerous to Life and Health **immiscible**
Liquids are insoluable in each other. **inHg** Inch of
Mercury
inH₂O Inch of Water
K Kelvin
kg Kilogram
kg/m³ Kilograms per Cubic Metre
lb Pound
LC₅₀ LC stands for lethal concentration. LC₅₀ is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours. **LD₅₀** LD stands for Lethal Dose. LD₅₀ is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or **L** Litre
m³ Cubic Metre
mbar Millibar **mg**
Milligram
mg/24H Milligrams per 24 Hours
mg/kg Milligrams per Kilogram **mg/m³**
Milligrams per Cubic Metre
Misc or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm Millimetre
mmH₂O Millimetres of Water
mPa.s Millipascals per Second **N/A**
Not Applicable
NIOSH National Institute for Occupational Safety and Health **NOHSC**
National Occupational Health and Safety Commission **OECD** Organisation
for Economic Co-operation and Development **Oz** Ounce
PEL Permissible Exposure Limit
Pa Pascal
ppb Parts per Billion
ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours **psi**
Pounds per Square Inch

R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value

<p>tne Tonne TWA Time Weighted Average ug/24H Micrograms per 24 Hours UN United Nations wt Weight</p>
