

Material Safety Data Sheet

Activated carbon

Infosafe No. AJ16P **Issue Date** September 2002 **Status** ISSUED by APSSC

Not classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

Company Name APS, A Division of Nuplex Industries (Aust) Pty Ltd (ABN 25 000 045 572)
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 NSW 2147

Emergency Tel. 1800 022 037 (24H)
Tel/Fax Tel: (02) 9839 4000 Fax: (02) 9674 6225
Other Information New Zealand: Asia Pacific Specialty Chemicals (NZ) Limited
 119 Carbine Road
 Mt Wellington, Auckland 6
 Emergency Tel: 0800 154 666 (24H)
 Telephone: (09) 276 4019
 Fax: (09) 276 7231

IDENTIFICATION

Product Name Activated carbon

Proper Shipping Name CARBON, ACTIVATED

Other Names	Name	Product Code
	CHARCOAL DECOLOURISING	
	CHARCOAL ACTIVATED DECOLOURISING POWDER	TECH 00000977
	CHARCOAL ACTIVATED GRANULAR	TECH 00000976
	Activated charcoal	

UN Number 1362
DG Class 4.2
Packing Group III
Hazchem Code 1[Z]
Poisons Schedule Not Scheduled

Physical Data

Appearance Black amorphous solid mass.
Melting Point 3500°C
Boiling Point 4000°C

Vapour Pressure	Not available
Specific Gravity	3.51
Flash Point	Not available
Flamm. Limit	
LEL	Not available

Other Properties

Stability	Stable under normal conditions.
Haz.	
Polymerization	Will not occur.
Materials to Avoid	Strong oxidizing agents, oxygen in air at temperature, metals and unsaturated oils, lithium, iron (II)oxide, and 2-nitrobenzaldehyde. Freshly made material may heat spontaneously in air, and this reaction is accelerated in the presence of water.
Molecular Weight	12.01

Ingredients

Ingredients	Name	CAS	Proportion
	Charcoal decolourising	16291-96-6	100 %
Other Information	Sulphated ash 10% max.		

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed	No adverse effects expected however large amounts may cause nausea and vomiting.
Acute - Eye	Eye contact may cause mechanical irritation.
Acute - Skin	Skin contact may cause mechanical irritation resulting in redness and itching.
Acute - Inhaled	Inhalation of dusts may irritate the respiratory system.
Hazards Identification	
Chronic	Unknown.

First Aid

Swallowed	Do NOT induce vomiting. Wash out mouth with water and give plenty of water to drink. If symptoms develop seek medical attention.
Eye	If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
Inhaled	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop seek medical attention.
First Aid	

Facilities Eye wash and normal washroom facilities.

Advice to Doctor

Advice to Doctor Treat symptomatically.

Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits	Name	STEL (mgm3)	STEL (ppm)	TWA (mgm3)	TWA (ppm)	FootNote
	Charcoal decolourising			3		as carbon black

Eng. Controls Ensure sufficient ventilation to keep airborne concentrations below exposure limits. Mechanical exhaust ventilation may be required.

Personal Protection

Respirator Type (AS 1716)	Where sufficient ventilation is not available, avoid breathing dust by wearing an AS 1716 approved P1 or P2 particulate filter respirator. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
Eye Protection	Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Glove Type	Where skin contact is likely to be prolonged or repeated impervious PVC or rubber gloves are recommended.
Clothing	Suitable workwear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist.
Work/Hygienic Practices	Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

Flammability

Fire Hazards Combustible solid. This product will burn if exposed to fire.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions Transport	<p>This product should be stored in a cool, dry, well ventilated area away from sources of ignition and oxidising agents.</p> <p>This material is a Class 4.1 Spontaneously Combustible Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. These substances are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none"> - Class 1 Explosives - Class 2.1 Flammable Gases - Non-flammable Non-toxic Gases (Class 2.2) - Toxic Gases (class 2.3) - Flammable Liquids (class 3), - Flammable Solids (4.1) - Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides - Class 7 Radioactive Substances
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Other Storage Info.**Proper****Shipping Name** CARBON, ACTIVATED**EPG Number** 4A2**IERG Number** 20**Packaging****Method** 3.8.4.1

Spills and Disposal

Spills & Leaks Remove all sources of heat. Increase ventilation. Wear sufficient respiratory protection and full protective clothing to minimise skin and eye exposure. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust. Seal all wastes in vapour tight labelled plastic containers for eventual disposal. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Disposal Dispose of in accordance with federal, local or state regulations.

Fire/Explosion Hazard

Fire/Explos. Hazard Combustible solid. This product will burn if exposed to fire. This product in sufficient quantity and reduced particle size is capable of creating a dust explosion. Contamination with drying oils or oxidising agents may ignite it spontaneously.

Hazardous

Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Fire Fighting Procedures Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

Extinguishing Media Use dry agent or foam. It is preferable NOT to use water as damp charcoal is more likely to spontaneously ignite than dry charcoal.

Hazardous

Reaction Damp charcoal is more likely to spontaneously ignite than dry charcoal.

Hazchem Code 1[Z]

OTHER INFORMATION

Toxicology Environment No toxicity data is available for this product.

Protection Risk Prevent this material entering waterways, drains and sewers.

Risk Statement

CONTACT POINT

Contact Australia: Business Hours: Mr Paul Verren
Telephone: (02) 9839 4024
Emergency Tel: 1800 022 037

New Zealand: Business Hours: Mr Lloyd Williams
Telephone: (09) 276 4019
Emergency Tel: 0800 154 666

IMPORTANT ADVICE: This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in

the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Nuplex Industries (Aust) Pty Ltd. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

End of MSDS
