

SAFETY DATA SHEET FOR ACTIVATED CARBON

1 IDENTIFICATION AND USE OF THE SUBSTANCE

Steam activated and non-impregnated granular, pellet or powder activated carbon, used principally to absorb organic contamination from gaseous and liquid media.

2 HAZARD IDENTIFICATION

Wet activated carbon removes oxygen from air causing severe hazard to workers inside carbon vessels and enclosed or confined spaces. Before entering such an area, sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local and national regulations. Contact with airborne dust may be slightly irritating to eyes and respiratory tract.

3 INFORMATION ON INGREDIENTS

Description	Activated Carbon (100% by weight dry basis)
EINECS Number	231-153-3
CAS Number	7440-44-0
Customs Code	3802

4 FIRST AID MEASURES

Eye contact	Flush with plenty of water for at least 15minutes
Ingestion & Inhalation	Not applicable
Skin Contact	Wash with soap and water

5 FIRE FIGHTING MEASURES

Prevention	Keep away from sources of heat, strong oxidizers or naked flames.
Suitable Extinguishing Media	Flood with plenty of water, water spray, CO ₂ , foam or dry chemical.
Special Exposure Hazards	Carbon monoxide and carbon dioxide may be generated in the event of a fire.

6 ACCIDENTAL RELEASE MEASURES

Sweep up carefully and shovel into a container for disposal. Remove from the spill location. If released report in accordance with local and national regulations.

Environmental Precautions = None known

7 HANDLING AND STORAGE

Avoid contact with skin and eyes.
Avoid breathing of dust.
Handle in well ventilated work space.
Smoking in area should be prohibited.
Store in a cool, dry, ventilated storage and in closed containers.
Keep away from oxidisers, heat or flames.
Store away from ignition sources.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection	local exhaust ventilation system or an approved alternative is recommended if excessive dust is generated.
Hand Protection	Protective gloves recommended.
Eye Protection	Safety glasses or goggles recommended.
Skin Protection	Long sleeved clothing.
Hygiene Measures	Keep an eye wash fountain available. Wash hands at breaks and at end of shift. Launder contaminated clothing before use.
Exposure Limit Values	3.5mg/m ³ . Liberated dust has been measured in processing to be below 2mg/m ³ particulate.

9 STABILITY AND REACTION

Conditions to Avoid	Avoid dust generation, naked flames and ignition sources.
Materials to Avoid	Strong oxidisers such as ozone, liquid oxygen, chlorine and permanganate.
Hazardous Decomposition Products	Combustion may result in the generation of carbon monoxide, carbon dioxide and nitrogen oxides.
Hazardous Polymerisation	Will not occur.

10 TOXICOLOGICAL INFORMATION

Eye Contact	May product eye irritation
Skin Contact	Not a primary skin irritant
Inhalation & Ingestion	Non toxic

11 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national regulations.

12 TRANSPORT INFORMATION

Non hazardous for transportation.

13. REGULATORY INFORMATION

Labelling Information	Product Name	Activated Carbon
	Classification	Non Hazardous
	S Phrases	S14 Keep away from oxidizers, S16 Keep away from sources of ignition.

Note

Activated Carbon is not considered a dangerous product. DO NOT use in confined spaces without adequate ventilation and/or respirator. Wet Activated carbon can remove oxygen from the atmosphere which is hazardous to workers operating in closed spaces. Suitable permit to work should be enforced for vessels containing activated carbon, and adequate monitoring of the oxygen content of the atmosphere in the vessel should be taken at all times. This should be carried out in accordance with the applicable regulations. Guideline EC 548/67 abs 3479/88

Whilst every effort has been made to be as accurate as possible, Irwins Quality Aggregates provides no warranty with respect to this information and disclaims all liability associated with its use.

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