



BLACK PF

MATERIAL SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

Substance

Chemical Name Charcoal activated
Commercial Names and Black PF
Synonyms
Chemical Abstract Nomenclature

Uses Decolorant

Company Tel. +39-0321-790-300 (please see bottom of the page)

Emergency service Niguarda Hospital tel. +39-02-6610-1029

2 - COMPOSITION / INFORMATION ON INGREDIENTS

- General description of the components, relative concentrations and risks

Chemical name	N° CAS	N°EINECS	Conc/Range %	Classification	
				Symbols	R phrases
Carbon	7440-44-0	231-153-3			

The product does not contain any other products and/or impurities that influence the product classification.

3 – HAZARDS IDENTIFICATION

Not dangerous classified substance according to official current regulations.

Health risks Medicine effect may be attenuated by the adsorbant capacity of the charcoal activated

Environmental risks Pollution due to dispersion of spattered charcoal

Physical and chemical hazards In case of fire it can release CO e CO₂
Fire and explosion

4 – FIRST AID MEASURES

Inhalation Move the injured person to open air

Skin contact Wash abundantly with water and soap

Eyes contact Wash immediately under running water

Ingestion If the symptoms persist seek medical advice

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5 – FIRE-FIGHTING MEASURES

Advised extinguishing agents	Use extinguishing foam preferably
Extinguishing agents to be avoided	Avoid using water in a closed place
Dangers caused by combustion matters	In case of fire it can release CO e CO ₂
Protection measures in case of intervention	Breathing apparatus
Additional information	

6 – ACCIDENTAL RELEASES MEASURES

Collection and disposal methods	Collect the spattered charcoal for recovery or destruction. Collect the spattered charcoal for recovery or packaging
Personal-related safety precautions	Wear safety goggles and a mask against dust inhalation, wear plastic or rubber gloves
Environmental protection	Prevent the contact between spattered charcoal and water. Do not throw into the sewage system, pipes, watercourses and underground waters

7 – HANDLING AND STORAGE

Handling	Wear safety goggles and protection mask. Prevent dust dispersion in the air
Storage	Store and keep away from chemicals (solvents and oxidants): absorption risks. In accordance with the current regulations about storage in big volumes

8 – PERSONAL PROTECTION / EXPOSURE CONTROL

Respiratory protection	Do not inspire dust. Follow a good hygiene. Mask against inhalation
Skin protection	Protection clothes if charcoal activated is spattered
Hand protection	Safety gloves if charcoal activated is spattered
Eyes protection	Safety goggles if charcoal activated is spattered
Exposure limits	The limit value is 10 mg/m ³
Complementary indications for engineering controls	Equipment for suction and local ventilation are required where dust removal from working places is needed

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9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	physical state	Powder
	colour	Black
	smell	None
Melting point		
Boiling point		
Density		200-400 kg/m ³
Solubility in water		
Flash point		
Inflammability limits (vol % in air)		
Autoignition temperature		
pH		1-3
Coefficient of division n-octanol/water		

10 – STABILITY AND REACTIVITY

Stable product.

Conditions to be avoided	High temperatures
Products to be avoided	Solvents and strong oxidants
Hazardous decomposition products	CO e CO ₂ releases

11 – TOXICOLOGICAL INFORMATION

Penetration ways	Inhalation	yes
	Ingestion	unlikely event
	Contact	no
Acute toxicity	LD50 (oral, rat):	> 10 g/kg
Inhalation consequences		
Ingestion consequences		
Skin local effects		
Eyes local effects		
Additional information	No effects from chronic exposure are known	

12 – ECOLOGICAL INFORMATION

Mobility:	Dust in the air.
Ecotoxicity:	No specific effects on the environment. Do not throw in the environment. Insoluble in aquatic environment, the product is separable by filtration or sedimentation.

13 – DISPOSAL CONSIDERATIONS

Product	According to the current laws
Contaminated packages	According to the current laws

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14 – TRANSPORT INFORMATION

ADR/RID- UN nr 1362

Hazard class 4.2* but this charcoal is not submitted to the following international regulations when packaged in volumes < 3 m³

Road or rail transport (ADR/RID)

Sea transport (IMDG)

Air transport

*Class 4.2: spontaneous ignition according to the "UN Manual of Test and Criteria" 3° part, section 33.3

15 – REGULATORY INFORMATION

EC labelling	[]	Required by the law
	[]	Temporary
	[X]	Not required

Classification

16 - OTHER INFORMATION

Hazard symbol

Risk phrases

Safety phrases

Recommended uses: removal of pesticides in drinkable water.

This material safety data sheet is prepared according to our know-how: no responsibilities are accepted because the information are sufficient and correct for all cases.

The information in this material safety data sheet are provided for health and safety prevention at work.

The information are inferred from the material safety data sheet of the producer/import company in EU.

This material safety data sheet has been issued in accordance with 2001/58/CE.

Before starting the use of this product for any new process or experiment, it must be carried out a deep study on the safety and the compatibility of the product itself with materials it could come in contact with.

The information contained in this safety data sheet is given to protect health and safety at work. No responsibility is taken for possible damages arising from uses of this information for different purposes from the ones here indicated.

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