

SAFETY DATA SHEET
According to Regulation n. 1907/2006 and Regulation 830/2015
CARBO FAST FAGC1PD5
CARBO FAST FAGC1PD5E



Revision n. III dd 01.21.2019
Replaces revision n II dd 06.01.2015

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Product Identifier

Denomination CARBO FAST FAGC1PD5
CARBO FAST FAGC1PD5

1.2 Substance or Mixture Identified pertinent uses and suggested uses

Chemical Product for synthesis

1.3 Safety Data Sheet supplier information

EU market introducing responsible

Name FAGGI ENRICO S.P.A.
Address Via Majorana, 101/103 50019 Sesto Fiorentino FI
Telephone number 055311861
Fax number 055311791
Qualified person responsible for SDS
lorenzo.magaldi@faggi.it

1.4 Emergency Telephone Number: Tel. 0557947819 Centro Antiveleni di Firenze

1.5 Registry number

For this product is not available a registration number as a mixture

2. HAZARDS IDENTIFICATION

2.1 Mixture classification according to Reg. (CE) n. 1272/2008 : Not dangerous

2.2 Label elements : not applicable

Other dangers

In certain conditions the mixture of coal dust and air can give rise to an explosive atmosphere. The wet coal removes oxygen from air causing serious dangerous for people who are in environments with low oxygen level.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixture

Product identification	Concentration %	Classification	
		Danger class	Hazard statements
Active carbon CAS 7440-44-0 Reach n. 01-2119488894-16	95	None	None
Palladium CAS 7440-05-03	5	None	None

4. MISURE DI PRIMO SOCCORSO

4.1 First aid measures

Inhalation Remove from exposure to fresh air. If breathing is difficult, call a physician immediately.
Ingestion Wash out mouth and give 2 glasses of water
Skin contact In case of contact remove contaminated clothing and shoes and wash

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CARBO FAST FAGC1PD5
CARBO FAST FAGC1PD5E



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immediately with plenty of water for at least 15 minutes. Get medical attention if irritation occurs. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact Remove contact lenses. Wash immediately with plenty of water for at least 15 minutes, opening her eyes. Consult a doctor if the problem persists.

Recommendations:

- **Need to consult immediately a Doctor** **NO**
- **Possibility of delayed effects after exposure** **NO**
- **Move the exposed individual from exposure place to outdoor** **NO**
- **Remove individual's clothes and shoes** **YES**
- **Contaminated clothes handling** **With gloves**
- **For first aid responders, wear IPD** **YES**

4.2 Most important symptoms and effects, both acute and delayed

Contact with eyes and skin and inhalation may cause irritation due to the abrasive action of the dust

4.3 Indication of any immediate medical attention

there are no known specific provisions

5. FIRE PREVENTION

5.1 Extinguishing means

Suitable extinguishing means: water spray, foam.

Non suitable extinguishing means powder

5.2 Special hazards arising from the mixture

In certain conditions the mixture of coal dust and air can give rise to an explosive atmosphere.

5.3 Advice for firefighters

Avoid raising dust clouds. Normal clothes to fight the fire, like a compressed air breathing apparatus open circuit (EN137), complete with flame retardant (EN469), flame-resistant gloves (EN659) and boots for firefighters (HO A29 or A30).

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and procedures in case of emergency

6.1.1. For non-emergency personnel

Keep away in case of dust clouds

6.1.2. For emergency responders

If you use a dry protective breathing (P2 filter mask), and dust-proof gloves.

6.2 Environmental precautions:

no special precautions are required.

6.3 Methods and materials for containment and cleaning up

6.3.1. Recommendations on how to contain a spill

Recover the product dispersed and wash the residue with plenty of water.

6.3.2. Recommendations on how to clean up a spill

Prevent sewers contamination by fire extinguishing water. Dispose of via a licensed waste disposal contractor. To avoid rise of dust clouds, spray water on dry dust.

6.3.3. Other informations:

None

6.4 Reference to other sections:

SAFETY DATA SHEET
According to Regulation n. 1907/2006 and Regulation 830/2015
CARBO FAST FAGC1PD5
CARBO FAST FAGC1PD5E



Revision n. III dd 01.21.2019
Replaces revision n II dd 06.01.2015

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

7.1.1. General recommendations

Avoid raising dust clouds. Keep any dust clouds away from sources of ignition. The activated carbon removes oxygen from humid air, causing serious hazards to people who are in environments in basal level of oxygen. Must be adhered to the work procedures appropriate for operations in environments with low oxygen potential.

7.1.2. General recommendations on personal hygiene

do not eat, drink or smoke in work areas; Wash hands thoroughly after use and remove contaminated clothing and protective equipment before entering areas where you eat.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Managing the risks associated with explosive atmospheres, corrosive conditions, dangers of flammability, incompatible substances and mixtures, evaporation conditions, potential ignition sources

In certain conditions the mixture of coal dust and air can give rise to an explosive atmosphere.

7.2.3. Containment of the effects of weather conditions, pressure, temperature, sunlight, humidity and vibrations

Store in original closed container

7.2.4. Precautions for maintaining integrity of the substances

Keep away from oxidizing, unsaturated oils, gases or vapors, direct sources of heat, naked flames and other sources of ignition and direct sunlight.

7.2.5. Provisions on ventilation, specific design for storage rooms or vessels, quantity limits under storage conditions, packaging compatibilities

None

7.3. Specific end use

Catalyst for synthesis

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

The national occupational exposure limit values for this mixture have not been established occupational exposure limit values and biological. Below shows the limit values for substances

Activated carbon

Germany: exposure limits – breathable fraction: 1.5 mg / m³ (long-term)

Germany: exposure limits – breathable fraction: 4 mg / m³ (long-term)

Temporary inhalation DNEL long-term (repeated): Industrial workers: 3 mg / m³

Professional workers: 3 mg / m³

Consumers: 0.5 mg / m³

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CARBO FAST FAGC1PD5
CARBO FAST FAGC1PD5E



Revision n. III dd 01.21.2019
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8.2. Exposure controls:

8.2.1. Appropriate engineering controls

If moist, with low dust levels, does not require any measure of risk management

8.2.2. Individual protection measures, such as personal protective equipment

Protection Eye / face wear safety glasses

Skin protection (Hands) Normal work clothes and gloves

Respiratory protection If moist, with low dust levels, does not require any measure of risk management

Thermal hazards None

8.2.3. Environmental exposure controls

Emissions from the production processes, including those from ventilation should be monitored for the purposes of compliance with environmental protection

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Basic Information on physical and chemical properties

Appearances Wet Powder

Colour Black

Odour Odourless

Odour Threshold Not applicable

pH 6-7 at 50 g/l 20°C (mixture)

Melting point/freezing Not applicable

Initial boiling point and boiling range: Not applicable

Flash point Not applicable

Evaporation Rate Not applicable

Flammability (solid & gas) Not applicable

Upper/Lower flammability or explosive limits Not applicable

Vapour pressure Not applicable

Vapour Density Not applicable

Bulk density 400 kg/m³

Solubility in water insoluble

Partition coefficient n-octanol/Water Not applicable

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CARBO FAST FAGC1PD5E



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Auto-ignition Temperature	460° C
Decomposition Temperature	Not applicable
Viscosity	Not applicable
Explosive Properties	Not classified as explosive

9.2. Other informations

None

10. STABILITY AND REACTIVITY

10.1 Chemical Reactivity

Catalitical properties

10.2 Chemical stability

This product does not show reactivity in the conditions of storage, shipment and use as specified.

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

Try to prevent the material dries completely

10.5 Incompatible materials

Oxidizing substances

10.6 Hazardous decomposition products

CO, CO₂

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects of activated carbon

Acute toxicity:

- **Oral:** Acute toxicological classification method (OECD 423): LD50 > 2000 mg / kg (rat)

- **Inhalation:** Acute standard method of classification: LC50 > 8.5 mg / l

- **Skin:** Absorption highly unlikely. There are no known effects on health

Corrosion / irritation

not irritating and corrosive to skin

Eye irritations/damages

not irritating and corrosive to eyes

Sensitization

not sensitizing.

Mutagenicity

Not mutagenic

Carcinogenicity:

Not carcinogenic

Reproductive toxicity

Not toxic

Specific target organ toxicity (STOT) - single exposure

no data available

Specific target organ toxicity (STOT) – repeated exposure

no data available

Inhalation hazards

no data available

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CARBO FAST FAGC1PD5
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11.2	Information about exposure routes	
	None	
12.	Ecological informations	
	Aquatic Toxicity	Non-toxic. The mixture is highly insoluble in water and is unlikely to cross biological membranes
	Persistence and degradability	The substance is a refractory material and not subject to decomposition by any natural chemical or enzymatic process.
	Bioaccumulative potential	The mixture does not bioaccumulate
	Mobility in soil	No relevant data
	Results of PBT and vPvB evaluation	Not applicable
	Other adverse effects	None
13.	DISPOSAL CONSIDERATIONS	
13.1.	13. Methods of Waste Treatment:	
	Either the mixture or packages must be sent to approved facilities for the disposal of industrial waste	
14.	TRANSPORT INFORMATION	
	14. ADR / RID (Land Transport): Not subject. For the preparation of this mixture is used a coal steam-activated and consequently is not classified as dangerous goods. Reference ADR special provision 646	
	ICAO / IATA (air transport): is not subject	
	IMDG (sea transport): is not subject	
15.	REGULATORY INFORMATION	
	15.1	Applicabilità
	Legislazione	
	Reg. (CE) 1907/2006/CE Reach	SI
	Reg. (EC) 1272/2008 and subsequent CLP. amendments and additions	SI
	Reg. (EC) 2037/2000 "substances that deplete the ozone layer"	NO
	Reg. (EC) 850/2004 "Persistent organic pollutants"	NO
	Reg. (EC) 689/2008 "export and import hazardous chemicals"	NO
	Substance listed in Annex I of Dir. 96/82 / EC - "Seveso II" Directive, which was transposed into national legislation by the Legislative Decree 334/99	NO
	Italian Legislative Decree 81/2008 (Consolidated Act on protection of health and safety in the workplace), as amended	SI
	Directive 2014/103/UE "Adr"	NO
	15.2	
	Chemical Safety Assessment	
	A chemical safety assessment has not been carried out.	
16.	OTHER INFORMATION	
	16.1	
	Data compared to the previous version:	
	Modified sections 1 and 3	
	16.2	
	Abbreviations and acronyms	
	ADR: European Agreement on the transport of dangerous goods by road	
	RID: International Regulations on the Transport of Dangerous Goods by Rail.	
	IMDG: International Marine Code for Dangerous Goods	

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CARBO FAST FAGC1PD5
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IATA: the international air transport association
IATA-DGR: Dangerous Goods Regulations' Association aviation
ICAO: International Civil Aviation.
ICAO-TI: Technical Instructions by the international Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

16.3 Key literature references and sources of the data on this MSDS:

<http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>
platform ESIS <http://esis.jrc.ec.europa.eu>
Safety data sheets of the suppliers of substances used in the formulation

16.4 Classification and procedure used to derive it in accordance with Reg. (EC) 1272/2008 in relation to the mixtures.

Classification according to Regulation (CE) 1272/2008	Classification Procedure
Not Dangerous	Method of calculation

16.5. Formazioni adeguate per i lavoratori al fine di garantire la protezione della salute umana e dell'ambiente

- Training in accordance with the provisions of the Legislative Decree 81/2008 (Consolidated Act on protection of health and safety in the workplace), as amended.
- PPE use

16.6. Other informations

None

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