

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
CARBO FAST FAGC1PT5 - CARBO FAST FAGC3PT5
CARBO FAST FAGC3PT5E – CARBO FAST FAGC3PT2



Revision n. III of 2021.09.21
Replaces revision n VI of 2019.01.21

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1

Product identifier	
Commercial name	Product code
CARBO FAST FAGC1PT5	173
CARBO FAST FAGC3PT5	203
CARBO FAST FAGC3PT5E	204
CARBO FAST FAGC3PT2	169

1.2 Relevant identified uses of the substance or mixture and uses advised against

Intended uses	Industrial use.
Uses advised against	None in particular

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number 111 - Medical helpline operating in England, in Scotland (NHS 24) and in Wales (NHS Direct Wales).

1.5 Registration number

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

2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture according to Regulation (EC) n. 1272/2008: Not dangerous

2.2 Label elements: not applicable

2.3 Additional hazard Under certain conditions, the mixture of coal dust and air can give rise to an explosive atmosphere. Damp coal removes oxygen from the air, causing serious dangers for people in low oxygen environments
It does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, annex XIII
It does NOT contain substances that interfere with the endocrine system in accordance with Regulation (EC) 1907/2006 art.59 paragraph 1 and in accordance with the criteria established in Regulation (EU) 2017/2100 and Regulation (EU) 2018/605.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

Product identifier	Concentration	Classification	
Active Carbon	95.0 ≤ C ≤ 99.5	None	None
CAS 7440-44-0			

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
CARBO FAST FAGC1PT5 - CARBO FAST FAGC3PT5
CARBO FAST FAGC3PT5E – CARBO FAST FAGC3PT2



Revision n. III of 2021.09.21
 Replaces revision n VI of 2019.01.21

EC: 931-328-0
 INDEX: not available
 N. Reach: 01-2119488894-16-XXXX
 Platinum **0.5 ≤ C ≤ 5.0** **None** **None**
 CAS 7440-06-4
 EC: 231-116-1
 INDEX: not available
 N.Reach: 01-2120733612-61-XXXX

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove from exposure and breathe fresh air. If breathing is difficult, call a doctor right away.
Ingestion	Wash mouth and drink 2 glasses of water at least
Contact with skin	Remove contaminated clothing and shoes and wash immediately and abundantly with water for at least 15 minutes. Get medical attention if irritation occurs. Wash clothing before reuse. Clean your shoes thoroughly before using them again.
Contact with eyes	Eliminate any contact lenses. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids well. Consult a physician if the problem persists.

Recommendations:

- Need to see a doctor immediately NO
- Possibility of delayed effects following exposure NO
- Move the exposed individual from the place of exposure to the open air NO
- Remove the clothing and shoes of the exposed individual YES
- How to handle contaminated clothing With gloves
- YES

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

No specific provisions are known.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
CARBO FAST FAGC1PT5 - CARBO FAST FAGC3PT5
CARBO FAST FAGC3PT5E – CARBO FAST FAGC3PT2



Revision n. III of 2021.09.21
Replaces revision n VI of 2019.01.21

Suitable extinguishing media water spray, foam.

Unsuitable extinguishing media Dust

5.2 Special hazards arising from the substance or mixture

Under 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 fire-fighting clothing, such as self-contained open-circuit compressed air breathing apparatus (EN137), flame retardant suit (EN469), flame retardant gloves (EN659) and firefighter boots (HOA29 or A30)

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Keep away in case of formation of dust

6.1.2. For emergency responders

In case of dry product, use respiratory protection devices (filter mask P2) and dust-proof gloves.

6.2 Environmental precautions

No specific provision are required.

6.3 Methods and material for containment and cleaning up

6.3.1. Advice in order to contain a spill

Collect the dispersed product and wash the residue with plenty of water

6.3.2. Advice in order to clean-up a spill

The extinguishing water from the fire must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations. To avoid dust formation, spray water before cleaning..

6.3.3 Other information

None

6.4 Reference to other sections

-

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Recommendations in order to manipulate the substance or the mixture in a safe manner, such as containment measures and prevention of fire and aerosol and powders formation

Avoid raising dust clouds especially in the presence of possible sources of ignition. Wet activated carbon removes oxygen from the air, causing serious dangers for people who are in environments with a low oxygen level. Appropriate work procedures must be followed for operations in low oxygen potential environments

7.1.2. General recommendation on work hygiene

Do not eat, drink and smoke in work areas. Wash your hands after use. Remove contaminated clothing and protective equipment before entering eating areas

7.2. Conditions Safe storage, including any incompatibilities

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
CARBO FAST FAGC1PT5 - CARBO FAST FAGC3PT5
CARBO FAST FAGC3PT5E – CARBO FAST FAGC3PT2



Revision n. III of 2021.09.21
Replaces revision n VI of 2019.01.21

7.2.1. Risk management associated with explosive atmospheres, corrosive conditions, flammability hazards, incompatible substances or mixtures, evaporative conditions, potential ignition sources

Keep in original closed container

7.2.2. Control of weather conditions, ambient pressure, temperature, sunlight, humidity, and vibration

7.2.3. Conditions to maintain the integrity of the substance or mixture

Store in original containers. Keep the containers tightly closed and store them in a dry and well ventilated, clean, dry, closable place.

7.2.4. Advice regarding the ventilation, specific design for storage rooms or vessels, quantity limits under storage conditions, packaging compatibilities

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

7.2.5. Provisions relating to ventilation, specific design of storage rooms or containers, quantitative limits in storage conditions, compatibility of packaging

None in particular

7.3. Specific end use(s)

Catalyst for synthese. Industrial use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No occupational and biological exposure limits have been established for this mixture. The limit values established for the substance contained are given below

Activated carbon

Germany: limit value for air - alveolar fraction: 1.5 mg / m³ (long-term)

Germany: limit value for air - respirable fraction: 4 mg / m³ (long-term)

Long-term temporary inhalation DNEL (repeated):

Industrial workers: 3 mg / m³

Professional workers: 3 mg / m³

Consumers: 0.5 mg / m³

8.2. Exposure controls

In the wet form, with low dustiness, no risk management measures are required

8.2.1. Appropriate engineering controls

It is possible to evaluate the installation of a detector of diffuse emissions of hydrogen cyanide in the workplace.

8.2.2. Individual protection measures, such as personal protective equipment

Eye/face protection Goggles

Skin protection (hands) Gloves

Skin protection (body) Work clothing

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
CARBO FAST FAGC1PT5 - CARBO FAST FAGC3PT5
CARBO FAST FAGC3PT5E – CARBO FAST FAGC3PT2



Revision n. III of 2021.09.21
 Replaces revision n VI of 2019.01.21

Respiratory protection Sotto forma umida, con polverosità bassa, non è richiesta nessuna misura di gestione del rischio.

Thermal hazards None

8.2.3. Environmental exposure controls

Emissions from production processes including, those ventilation equipment must be controlled in order to comply with environmental legislation

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Wet black powder
Odor	Odorless
Odor threshold	Not applicable
pH	6-7 at 50 g / l 20 ° C (dough)
Melting point / freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	Scientifically not justified studies
Evaporation rate	Not applicable
Flammability (solid, gas)	Flammable in the dry state
Upper / lower flammability or explosive limits	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Relative density	400 g / cm ³
The solubility (ies)	Insoluble
Partition coefficient n-octanol / water	Not applicable
Self-ignition temperature	460 ° C
Decomposition temperature	Not applicable

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
CARBO FAST FAGC1PT5 - CARBO FAST FAGC3PT5
CARBO FAST FAGC3PT5E – CARBO FAST FAGC3PT2



Revision n. III of 2021.09.21
 Replaces revision n VI of 2019.01.21

Viscosity	Not applicable
Explosive properties	Clouds or dust in confined spaces can give rise to explosive atmospheres
Oxidizing properties	Not oxidizing

9.2. Other information (miscibility, solubility, fat solubility, conductivity, redox potential, radical formation potential and photocatalytic properties)

None

10. STABILITY AND REACTIVITY

10.1 Reactivity

Catalytic properties

10.2 Chemical stability

This product does not show reactivity under the specified conditions of storage, shipping and use.

10.3 Possibility of hazardous reactions

Flammable in dry status

10.4 Conditions to avoid

Do not allow the material to dry completely. Do not store together with oxidizing material.

10.5 Incompatible materials

Keep away from strong oxidizing agents

10.6 Hazardous decomposition products

CO, CO₂

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

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

- Inhalation: standard acute classification method: LC₅₀> 8.5 mg / l

- Skin: highly unlikely absorption. There are no known health effects

Skin corrosion / irritation

Based on available data, the classification criteria are not met

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
CARBO FAST FAGC1PT5 - CARBO FAST FAGC3PT5
CARBO FAST FAGC3PT5E – CARBO FAST FAGC3PT2



Revision n. III of 2021.09.21
 Replaces revision n VI of 2019.01.21

Serious eye damage/irritation	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT – single exposure	Based on available data, the classification criteria are not met
STOT – repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

11.2 Information on other hazards
 None

12. ECOLOGICAL INFORMATION

12.1 Toxicity	Based on available data, the classification criteria are not met. The mixture is highly insoluble in water and is unlikely to cross biological membranes.
12.2 Persistence and degradability	The substance is a refractory material and not subject to

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
CARBO FAST FAGC1PT5 - CARBO FAST FAGC3PT5
CARBO FAST FAGC3PT5E – CARBO FAST FAGC3PT2



Revision n. III of 2021.09.21
 Replaces revision n VI of 2019.01.21

		decomposition by any enzymatic or natural chemical process	
12.3	Bioaccumulative potential	The mixture is not bioaccumulative	
12.4	Mobility in soil	Data not relevant	
12.5	Results of PBT and vPvB assessment	Not applicable	
12.6	Endocrine disrupting properties	None	
12.7	Other adverse effects	None known	
13.	DISPOSAL CONSIDERATIONS		
13.1.	Waste treatment methods	Both the mixture and the packaging must be sent to plants authorized for the disposal of industrial wastes.	
14.	TRANSPORT INFORMATION		
14.1	UN number or ID number	Not subject to ADR regulations. Steam activated carbon is used to prepare this mixture and is therefore not classified as a dangerous good. Reference of special provision ADR 646.	
14.2	UN proper shipping name	Not applicable	
14.3	Transport hazard class(es)	Not applicable	
14.4	Packing group	Not applicable	
14.5	Environmental hazards	Not applicable	
14.6	Special precautions for user	Not applicable	
14.7	Maritime transport in bulk according to IMO instruments	Not applicable	
15.	REGULATORY INFORMATION		
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture		Applicability
	Reg. (EC) 1907/2006 / EC Reach		YES
	Reg. (EC) 1272/2008 CLP and subsequent changes and additions		YES
	Reg. (CE) 2037/2000 "Substances that deplete the ozone layer"		NO
	Reg. (EC) 850/2004 "Persistent organic pollutants"		NO
	Reg. (EC) 689/2008 "export and import of dangerous chemicals"		NO
	Substance listed in Annex I of Dir. 2012/18 / EU so-called Seveso		NO
	Legislative Decree 81/2008 Consolidated Law on health and safety at work		YES

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
CARBO FAST FAGC1PT5 - CARBO FAST FAGC3PT5
CARBO FAST FAGC3PT5E – CARBO FAST FAGC3PT2



Revision n. III of 2021.09.21
Replaces revision n VI of 2019.01.21

Directive 2014/103 / EU "Adr"

NO

15.2 Chemical safety assessment

A chemical safety assessment was not carried out

16. OTHER INFORMATION

16.1 Changes compared to the previous edition

Regulatory update

16.2 Acronim and abbreviation legend

ADR : Agreement concerning the International Carriage of Dangerous Goods by Road

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstract Service

16.3 Main references and data sources

ECHA's data bank on registered substances and soon to be registered substances:

<http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>

Reporting, for mixtures of which information evaluation methods have been used for classification purposes

Classification

Not dangerous

Classification procedure

Calculation method

16.5 Adequate training for workers in order to ensure the protection of human health and the environment

Training on Chemical Risk pursuant to Legislative Decree 81/08 Title IX dangerous substances

DPI training

- Training for obtaining a license for handling toxic gases