

Safety information sheet



Revision 1 – 11.10.2021

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

1.1 Product identifier

Commercial name	CARBO FAST FAGC3PTFE
Product code	168
Registration number	A registration number is not available for this product as it is a mixture

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

Intended uses	Catalyst for synthesis. Industrial use
Advised against uses	No ne 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)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Non dangerous.

2.2 Label elements

Not applicable

2.3 Other hazards

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

Product identifier	Concentration %	Classifications	
		Hazard classes	Category codes
Active carbon CAS 7440-44-0 EC : 931-328-0 N. Reach: 01-2119488894-16-XXXX	98.3 ≤ C ≤ 99.45	None	None
Platinum CAS 7440-06-4 EC: 231-116-1 N. Reach: 01-2120733612-61-XXXX	0.5 ≤ C ≤ 1.5	None	None
Iron CAS 7439-89-6 EC 231-096-4	0.05 ≤ C ≤ 0.2	None	None



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N. Reach: Exempt for quantity

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 your mouth and give 2 glasses of water to drink. Consult a physician.
Skin contact	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. Thoroughly clean shoes before using them again.
Eye contact	Eliminate contact lenses. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids well. Consult a physician.

Reccomendations :

• Need to see a doctor immediately	NO
• Possibility of delayed effects following exposure	NO
• Move the exposed individual from the place of exposure to open air	NO
• Remove clothing and shoes of the exposed individual	YES
• How to handle contaminated clothing	With gloves
• For those providing first aid wear DPI	YES

4.2 Most important symptoms and effects, both acute and delayed

Contact with eye, 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

Suitable extinguishing media water spray, foam

Unsuitable extinguishing media powder

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)



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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 provisions 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 fire extinguishing water 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.

6.4 Reference to other sections

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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 for safe storage, including any incompatibilities

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

Keep in closed original container

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

Keep in closed original container

7.2.4. *Conditions to maintain the integrity of the substance or mixture*

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

7.2.5. *Advice regarding the ventilation, specific design for storage rooms or vessels,*

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quantity limits under storage conditions, packaging compatibilities

None in particular

7.3. Specific end use(s)

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 contained substance are listed 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

8.2.1. Appropriate engineering controls

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

8.2.2. Individual protection measures, such as personal protective equipment

Eye/face protection Glasses

Skin protection (hands) Gloves

Skin protection (body) Work clothes

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

Thermal hazards None

8.2.3. Environmental exposure controls

Emissions from manufacturing processes, including those from ventilation equipment, should be controlled for compliance with environmental protection legislation. Do not let the product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state Wet black powder

Colour

Odour Odourless

Melting point/freezing point Not applicable

Boiling point or initial boiling point and
boiling range Not applicable

Flammability Flammable on dry status

Lower and upper explosion limit Not applicable

Flash point Not applicable

Auto-ignition temperature 460°C



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Decomposition temperature	Not applicable
pH	6-7 a 50 g/l 20°C (dough)
Kinematic viscosity	Not applicable
Solubility	Insoluble
Partition coefficient n-octanol/water (log value)	Not applicable

Vapour pressure	Not applicable
Density and/or relative density	Non applicable
Relative vapour density	2.3 g/cm ³
Particle characteristics	Particle size D10: 6 µm

9.2. Other information

None

9.2.1 Information with regard to physical hazards classes

9.2.2 Hazard safety characteristic

10. STABILITY AND REACTIVITY

10.1 Reactivity

Catalytic properties

10.2 Chemical stability

This product does not show reactivity under the conditions of storage, shipping and specific 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

Tenere lontano da agenti fortemente ossidanti, acidi e basi

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



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Skin corrosion/irritation	Based on available data, the classification criteria are not met
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

As it is not possible to provide specific data on the mixture, the following data are provided for the substance ammonium vanadate

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 decomposition by any enzymatic or natural chemical process

12.3 Bioaccumulative potential

The mixture is not bioaccumulative

12.4 Mobility in soil

Not relevant data

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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 waste
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
	<i>Reg. (CE) 1907/2006/CE Reach</i>	YES
	<i>Reg. (EC) 1272/2008 CLP and following changes and additions</i>	YES
	<i>Reg. (CE) 2037/2000 "Substances that deplete the ozone layer"</i>	NO
	<i>Reg. (EC) 850/2004 "Persistent organic pollutants"</i>	NO
	<i>Reg. (EC) 689/2008 "export and import of dangerous chemicals"</i>	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
	Directive 2014/103 / EU "Adr"	NO
15.2	Chemical safety assessment	
	A chemical safety assessment was not carried out	
16.	OTHER INFORMATION	
	Changes compared to the previous edition	
	First edition	
	Acronym and abbreviation legend	
	ADR : Agreement concerning the International Carriage of Dangerous Goods by Road	

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GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstract Service

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, which methods of evaluating the information were used for the purposes of classification

Classification	Classification procedure
Not dangerous	Calculation method
Worker's adequate formations to grant human and environmental health safety	<ul style="list-style-type: none">• Training on Chemical Risk pursuant to Legislative Decree 81/08 Title IX dangerous substances• PPE training