

**Safety data sheet**  
**According to Regulation n. 1907/2006 and Regulation 878/2020**  
**CARBOFAST FAGCPT DRY**



Revision 5 – 09.05.2025

Replaces revision 4 – 03.07.2023

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

- 1.1 Product identifier**  
Commercial name CARBO FAST FAGC3PT5 DRY  
Product code 318  
UFI code 0AV0-W056-900F-043H
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Recommended uses Industrial use. Catalyst for synthesis  
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** A registration number is not available for this product is a mixture

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the mixture according to Regulation (EC) n. 1272/2008**

Hazard class	Category codes	Hazards indications
Flam. Sol	2	H228 Flammable solid

**2.2 Label elements**

**Pictograms**



**Signal word**

**WARNING**

**Hazard statements**

H228

Flammable solid

**Precautionary advice**

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking

P240

Ground and bond container and receiving equipment.

P241

Use explosion-proof electrical systems

P280

Wear protective gloves/protective clothing/eye protection/face protection

P370+P378

In case of fire: Use water spray or foam

**Safety data sheet**  
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**CARBOFAST FAGCPT DRY**



Revision 5 – 09.05.2025

Replaces revision 4 – 03.07.2023

to extinguish

- 2.3 UFI code** OAV0-W056-900F-043H
- Other hazards** In the dry state, the product can be flammable, and 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	
		Hazard classes	Category codes
Active Carbon CAS 7440-44-0 EC : 931-328-0 INDEX : not available <i>N. Reach 01-2119488894-16-XXXX</i> ATE: not applicable M factors : not applicable	<b>90.0 ≤ C ≤ 99.0</b>	None	None
Platinum CAS 7440-06-4 EC: 231-116-1 INDEX: not available N.Reach: 01-2120733612-61-XXXX ATE: not applicable M factors : not applicable	<b>1.0 ≤ C ≤ 10.0</b>	None	None

**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
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.

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**CARBOFAST FAGCPT DRY**



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**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**

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 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 precautions 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

**Safety data sheet**  
**According to Regulation n. 1907/2006 and Regulation 878/2020**  
**CARBOFAST FAGCPT DRY**



Revision 5 – 09.05.2025

Replaces revision 4 – 03.07.2023

**6.4 Reference to other sections**

None

**7. HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

**7.1.1. *Raccomentations in order to manipulate the substance or the mixture in a safe manner, such as containment measures and prevention of fire and aereosol 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**

**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 sealed container

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

Keep in original sealed container

**7.2.3. *Conditions for keeping substances / mixtures intact***

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

**7.2.4. *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)**

Industrial use. Catalyst for synthesis

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters (related to metallic Silver species)**

The occupational and biological exposure limit values have not been established for this mixture. The stability limit values for the substances contained are reported below

**Substance: Activated carbon**

Germany: limit value for air - alveolar fraction: 1,5 mg / m<sup>3</sup> (long-term)

Germany: limit value for air - respirable fraction: 4 mg / m<sup>3</sup> (long-term)

**Long-term temporary inhalation DNEL (repeated):**

Industrial workers: 3 mg / m<sup>3</sup>

Professional workers: 3 mg / m<sup>3</sup>

Consumers: 0,5 mg / m<sup>3</sup>

**PNEC**

Freshwater: no data: aquatic toxicity unlikely

**Safety data sheet**  
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**CARBOFAST FAGCPT DRY**



Revision 5 – 09.05.2025

Replaces revision 4 – 03.07.2023

Marine water: no data: aquatic toxicity unlikely  
 Sewer treatment plant: no data: aquatic toxicity unlikely  
 Sediment (freshwater): no exposure of sediment expected  
 Sediment (marine water): no exposure of sediment expected  
 Soil: no hazard identified

**Substance: Platinum**

**DNEL**

No hazard identified

**PNEC**

No hazard identified

**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** Eye protective equipment compliant with Directive 89/686/EEC and standard EN166:2001

**Skin protection (hands)** Chemical gloves according to EN 420 EN 374  
 Glove material:

Natural latex

Material thickness: 0.5 mm

Penetration time: ≥ 60 min DIN EN374 method

**Skin protection (body)** Protective and anti-acid clothing compliant with UNI EN 13034:2006 type 6 standards

**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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Physical state	Solid powder
Color	Black
Odor	Odorless
Melting point / freezing point	Not applicable
Boiling point or initial boiling point and boiling range	Not applicable
Flammability	

The product must be kept moist. In the dry state it can generate flammable atmospheres with air  
 Lower explosion limit: 20 g / m<sup>3</sup>  
 Not applicable  
 In the dry state: 460 ° C

Lower and upper explosive limits  
 Flash point  
 Self-ignition temperature

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**CARBOFAST FAGCPT DRY**



Revision 5 – 09.05.2025

Replaces revision 4 – 03.07.2023

	Decomposition temperature	Not applicable
	pH	6 - 7 at 50 g / l and 20 ° C (dough)
	Cinematic viscosity	Not applicable
	Solubility	Insoluble in water
	Production coefficient n-octanol / water (logarithmic value)	Not applicable
	Vapor pressure	Unavailable
	Density and / or relative density	0.4 g / cm <sup>3</sup>
	Relative vapor density	Not applicable
	Characteristics of the particles	Particle size D10: 6 µm
9.2.	<b>Other information</b>	
	None	
10.	<b>STABILITY AND REACTIVITY</b>	
10.1	<b>Reactivity</b>	
	catalytic properties	
10.2	<b>Chemical stability</b>	
	This product does not exhibit reactivity under the specified conditions of storage, shipping and use.	
10.3	<b>Possibility of hazardous reactions</b>	
	Flammable	
10.4	<b>Conditions to avoid</b>	
	Do not store together with oxidizing material.	
10.5	<b>Incompatible materials</b>	
	Keep away from strong oxidizing agents	
10.6	<b>Hazardous decomposition products</b>	
	CO, CO <sub>2</sub>	
11.	<b>TOXICOLOGICAL INFORMATION</b>	
11.1	<b>Information on hazard classes as defined in Regulation (EC) No 1272/2008</b>	
	<b>Acute toxicity</b>	- 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
	<b>Skin corrosion / irritation</b>	Based on available data, the classification criteria are not met
	<b>Serious eye damage/irritation</b>	Based on available data, the classification criteria are not met
	<b>Respiratory or skin sensitization</b>	Based on available data, the classification criteria are not met

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**CARBOFAST FAGCPT DRY**



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Replaces revision 4 – 03.07.2023

	<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met
	<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met
	<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met
	<b>STOT – single exposure</b>	Data not available
	<b>STOT – repeated exposure</b>	Data not available
11.2	<b>Information on other hazards</b>	
	None	
12.	<b>ECOLOGICAL INFORMATION</b>	
12.1	<b>Toxicity</b>	Non toxic. The mixture is highly insoluble in water and is unlikely to cross biological membranes.
12.2	<b>Persistence and degradability</b>	The substance is a refractory material and not subject to decomposition by any enzymatic or natural chemical process
12.3	<b>Bioaccumulative potential</b>	The mixture is not bioaccumulative
12.4	<b>Mobility in soil</b>	Data not relevant
12.5	<b>Results of PBT and vPvB assessment</b>	Not applicable
12.6	<b>Endocrine disrupting properties</b>	No known effects
12.7	<b>Other adverse effects</b>	No known effects
13.	<b>DISPOSAL CONSIDERATIONS</b>	
13.1.	<b>Waste treatment methods</b>	
	The substance and its packaging must be disposed of as hazardous waste by authorized companies.	
14.	<b>TRANSPORT INFORMATION</b>	
14.1	<b>UN number or ID number</b>	UN3178
14.2	<b>Official UN shipping name</b>	INORGANIC, FLAMMABLE SOLID, N.O.S. (Dry platinum carbon), III (E)
14.3	<b>Transport hazard class</b>	
	ADR/RID/IMDG/ICAO-IATA: Class:	4.1
	ADR/RID/IMDG/ICAO-IATA: Label:	4.1
	ADR: Tunnel restriction code	(E)
	IMDG - EmS:	F-A-S-G
14.4	<b>Packing group</b>	III
14.5	<b>Dangers for the environment</b>	
	ADR/RID/ICAO-IATA:	no
	IMDG: Marine Contaminant:	no
14.6	<b>Special precautions for users</b>	
	Transport must be carried out by vehicles authorized for the transport of dangerous goods according to the provisions of the current edition of the A.D.R. Agreement. and the applicable national provisions. Transport must be carried out in the original packaging and, in any case, in packaging which is made of materials which cannot be attacked by the contents, and which are not likely to generate dangerous reactions. Those responsible for loading and unloading dangerous goods must have received	

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**CARBOFAST FAGCPT DRY**



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Replaces revision 4 – 03.07.2023

	appropriate training on the risks presented by the preparation and on any procedures to be adopted in the event of emergency situations	
14.7	<b>Maritime transport in bulk according to IMO</b>	
	No bulk transport is foreseen	
15.	<b>REGULATORY INFORMATION</b>	
15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	<b>Applicability</b>
	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
	Directive 2014/103 / EU "Adr"	YES
	Reg. (CE) 1907/2006/CE Reach art. 59 – Candidate List of Substances of Very High Concern (SVHC)	NO
	Reg. (CE) 1907/2006/CE Reach - Annex XIV – Authorisation List	NO
	Reg. (CE) 1907/2006/CE Reach - Annex XVII – Restriction List	Limited use
	<a href="https://echa.europa.eu/it/substances-restricted-under-reach">https://echa.europa.eu/it/substances-restricted-under-reach</a>	Item 40 (check link)
15.2	<b>Chemical safety assessment</b>	
	A chemical safety assessment was not carried out	
16.	<b>OTHER INFORMATION</b>	
	<b>Changes compared to the previous edition</b>	
	Changes to sections 8-14-16	
	<b>Acronim and abbreviation legend</b>	
	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road	
	GHS: Globally Harmonized System of Classification and Labeling of Substances	
	EINECS: European Inventory of Chemical Substances	
	CAS: Chemical Abstract Service	
	STA: Acute Toxicity Estimate	
	PBT: Persistent, Bioaccumulative and Toxic.	
	vPvB: (very persistent and very bioaccumulative). Very persistent and very bioaccumulative	
	LD: lethal dose	
	PNEC: predicted no effect concentration	
	DNEL: derived no effect level	
	TLV (ceiling value): threshold limit value	
	STEL: short-term exposure limit	
	EU-OEL: European occupational exposure limit	
	TWA: time-weighted average	
	EC: effective concentration	
	NOAEL: no observed adverse effect level	
	LC: lethal concentration	



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Revision 5 – 09.05.2025

Replaces revision 4 – 03.07.2023

NOEC: no observed effect concentration

LOEC: lowest observed effect concentration

Bw: body weight

Koc: organic carbon-water partition coefficient

**Main references and data sources**

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

<https://chem.echa.europa.eu/>

**Indication, for mixtures, of which methods of evaluation of the information have been used for the purposes of classification**

**Classification**

Flammable solid H228

**Classification procedure**

Test method

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

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

PPE training