

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



Revision III – 20.12.2023
 Replaces revision II – 07.12.2022

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

- 1.1 Product identifier**
 Commercial name Product code
 CARBO FAST FAGC3PT5 DRY 318
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Recommended uses Industrial use
 Uses advised against Check section 15
- 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.

P240

No smoking
 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

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2.3 Other hazards

to extinguish

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	90.0 ≤ C ≤ 99.0	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	1.0 ≤ C ≤ 10.0	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.

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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

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

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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

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters (related to metallic Silver species)

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 - breathable fraction: 4 mg / m³ (long-term)

Long-term temporary inhalation DNEL (repeated):

Industrial workers: 3 mg / m³

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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 Goggles

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.

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 and upper explosive limits Lower explosion limit: 20 g / m³

Flash point Not applicable

Self-ignition temperature In the dry state: 460 ° C

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 / cm³

Relative vapor density Not applicable

Characteristics of the particles Particle size D10: 6 µm

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9.2.	Other information	None
10.	STABILITY AND REACTIVITY	
10.1	Reactivity	catalytic properties
10.2	Chemical stability	This product does not exhibit reactivity under the specified conditions of storage, shipping and use.
10.3	Possibility of hazardous reactions	Flammable
10.4	Conditions to avoid	Do not store together with oxidizing material.
10.5	Incompatible materials	Keep away from strong oxidizing agents
10.6	Hazardous decomposition products	CO, CO ₂
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
	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	Data not available
	STOT – repeated exposure	Data not available
11.2	Information on other hazards	None
12.	ECOLOGICAL INFORMATION	

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12.1	Toxicity	Non toxic. 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	Data not relevant	
12.5	Results of PBT and vPvB assessment	Not applicable	
12.6	Endocrine disrupting properties	No known effects	
12.7	Other adverse effects	No known effects	
13.	DISPOSAL CONSIDERATIONS		
13.1.	Waste treatment methods	The substance and its packaging must be disposed of as hazardous waste by authorized companies.	
14.	TRANSPORT INFORMATION		
14.1	UN number or ID number	UN3178	
14.2	UN proper shipping name	INORGANIC, FLAMMABLE SOLID, N.O.S. (Dry platinum carbon), III (E)	
14.3	Transport hazard class(es)	4.1 solid flammable	
14.4	Packing group	III	
14.5	Environmental hazards	NO	
14.6	Special precautions for user	Approved packaging	
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
	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
	https://echa.europa.eu/it/substances-restricted-under-reach		Item 40 (check link)
15.2	Chemical safety assessment		

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16. A chemical safety assessment was not carried out
- OTHER INFORMATION**
- 16.1 **Changes compared to the previous edition**
Regulatory amendment
- 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>
- Indication, for mixtures, of which methods of evaluation of the information have been used for the purposes of classification**
- | Classification | Classification procedure |
|-----------------------|---------------------------------|
| Flammable solid H228 | Test method |
- 16.5 **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