

SAFETY INFORMATION SHEET



CARBO FAST FAGCPDUR

Revision V – 23.11.2023

Replaces revision IV – 17.02.2023

1. IDENTIFICATION OF THE MIXTURE AND COMPANY IDENTIFICATION

1.1 Identification of the substance

Denomination	Product code
CARBO FAST FAGC1PD5UR	210
CARBO FAST FAGC3PD3UR	308
CARBO FAST FAGC1PD5EUR	302
CARBO FAST FAGC3PD5EUR	319
CARBO FAST FAGC1PD3UR	306
CARBO FAST FAGC9PD5EUR	326
CARBO FAST FAGC9PD5UR	327

1.2 Substance or mixture Identified uses and suggested uses

Catalyst for synthesis

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
Phone number	055311861
Fax number	055311791

Contact name lorenzo.magaldi@faggi.it

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

1.5 Registry number

A REACH registration number is not available as it is a mixture.

2. HAZARD IDENTIFICATION

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

2.2 Label elements: N/A

Other information

Under certain conditions the mixture of coal dust and air
Can create an explosive atmosphere. Damp coal removes oxygen from the air, causing serious dangers for people who are in low oxygen environments.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixture

Product Identification	Concentration %	Danger Class	Classification Category Codes
Activated Carbon CAS 7440-44-0 N.. Reach 01-2119488894-16	92.5 ≤ C < 99.0	None	None
Palladium monoxide CAS 1314-08-5	1 < C ≤ 7.5	Ox sol. 1	H271

4. FIRST AID MEASURES

4.1 Descriptions of first aid measures

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Inhalation	Remove source of exposure or move person to the open air. Call your local emergency number or a health care professional if experiencing difficulty in breathing.
Ingestion	Rinse mouth thoroughly and drink 2 glasses of water.
Eye contact	Remove contact lenses. Wash immediately with plenty of water for at least 15 minutes, opening her eyes. Consult a doctor if symptoms persist.
Skin contact	In case of contact remove contaminated clothing and shoes and wash skin immediately with water for at least 15 minutes. Get medical attention if irritation occurs. Wash clothing before reuse. Clean shoes thoroughly before reuse

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
- **Togliere gli indumenti e le scarpe dell'individuo esposto** YES
- **Contaminated clothes handling** With gloves
- **For first aid responders, wear PPE** YES

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention

No specific provision are known

5. FIRE PREVENTION

5.1 Fire Fighting

Suitable fire fighting equipment Water spray, sand

Non suitable fire fighting equipment Water jets, foam

5.2 Special hazards arising from the mixture

Under certain circumstances, the mixture of coal dust and air can create an explosive atmosphere

5.3 Special recommendations for firefighters

Avoid raising dust clouds. Wear fire-fighting clothing, such as self-contained breathing apparatus (EN137) flame retardant suit (EN469), flame retar gloves (EN659) and firefighter boots (HOA29 or A30)

6. ACCIDENTAL RELEASE MEASURES

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

6.1.1. *Non-Emergency personnel*

Keep away in case of dust

6.1.2. *Emergency personnel*

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

6.2 Environmental precautions:

No specific 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 dispersed product and wash the residue with plenty of water

6.3.2. Recommendations on how to clean up a spill

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

6.3.3. Other informations:

None

6.4 Reference to other sections:

None

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

7.1.1. **Recommendations for the safe handling of the substance or mixture, containment and prevention measures for fires and for the formation of aerosols and dusts**

Avoid raising dust clouds especially in the presence of possible ignition sources. Activated wet carbon removes oxygen from the air, causing serious danger 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 workplace 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**

Store in original closed container.

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

Store in original closed container

7.2.3. **Precautions for maintaining integrity of the substances**

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

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

None

7.3. Specific uses

Industrial use

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

No occupational and biological limits have been established for this mixture. The limit values established for the mixture are given here below:

Active Carbon

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

Germany: Air limit value- breathable 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. Control parameters

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

8.2.2. Individual protection measures, such as personal protective equipment

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Eye protection/ face protection	Safety glasses
Skin protection (Hands)	Long contact waterproof gloves
Skin protection (Body)	Working clothes
Respiratory protection	In wet form, with low dustiness no risk management measures are required
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	Black wet dust
Odour	Odourless
Odour Threshold	N/A
pH	from 6-7 a 50 g/l 20°C (dough)
Melting point/freezing	N/A
Initial boiling point and boiling range	N/A
Flash point	Not scientifically supported evidences
Evaporation Rate	N/A
Flammability (solid & gas)	Flammable in dry state
Upper/Lower flammability or explosive limits	N/A
Vapour pressure	N/A
Vapour Density	N/A
Bulk density	400 g/cm ³
La Solubility in water	Insoluble
Partition coefficient n-octanol/Water	N/A
Auto-ignition Temperature	460°C
Decomposition Temperature	N/A
Viscosity	N/A
Explosive Properties	Clouds or dust in confined spaces can create explosive atmospheres
Oxydising Properties	Not oxidizing

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

None

10. STABILITY AND REACTIVITY

10.1 Reactivity

Catalitical properties

10.2 Chemical Stability

This product shows no reactivity under the species conditions of storage, shipping and use.

10.3 Possibility of hazardous reactions

Inflammable in dry status

10.4 Conditions to avoid

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	Avoid material to dry completely. Do not store with oxidizing material.	
10.5	Incompatible materials Keep away from oxidizing agents	
10.6	Hazardous decomposition products CO, CO ₂	
11.	TOXICOLOGICAL INFORMATION	
11.1	Information on toxicological effects of lead Acute toxicity	Oral : Acute toxicological classification method (OECD 423): LD50 >2000 MG/KG (Rat) Inhalation: Acute classification standard method: LD50 >8.5 MG/L Skin: highly unlikely absorption. Not known health effects.
	Corrosion/irritation	Based on available data, the classification criteria are not met
	Eye irritations/damages	Based on available data, the classification criteria are not met
	Respiratory or skin sensitization	Based on available data, the classification criteria are not met
	Mutagenicity	Based on available data, the classification criteria are not met
	C Carcinogenicity:	Based on available data, the classification criteria are not met
	Reproductive toxicity	Based on available data, the classification criteria are not met
	Specific target organ toxicity (STOT) - single exposure	N/A
	Specific target organ toxicity (STOT) – repeated exposure	N/A
11.2.	Other information None	
12.	Ecological informations	
	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 it is not subject to decomposition by any enzymatic or natural chemical process
	Bioaccumulative potential	Not bioaccumulative
	Mobility in soil	N/A
	Results of PBT and vPvB evaluation	N/A
	Other adverse effects	No known effects
13.	DISPOSAL CONSIDERATIONS	
13.1.	Methods of Waste Treatment:	

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14. Either the mixture or packages must be sent to approved facilities for the disposal of industrial waste
TRANSPORT INFORMATION
15. Not subject to ADR regulations. Stam active carbon is used to prepare this mixture and it is therefore not classified as a dangerous good. Reference of special provision ADR 646
REGULATORY INFORMATION
- | 15.1 | Legislation | Applicability |
|------|---|---------------|
| | <i>Reg. (CE) 1907/2006/CE Reach</i> | YES |
| | <i>Reg. (CE) 1272/2008 CLP e succ. and subsequent CLP. amendments and additions</i> | YES |
| | <i>Reg. (CE) 2037/2000 "substances that deplete the ozone layer"</i> | NO |
| | <i>Reg. (CE) 850/2004 "Persistent organic pollutants"</i> | NO |
| | <i>Reg. (EC) 689/2008 "export and import hazardous chemicals"</i> | 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 | YES |
| | Directive 2014/103/UE "Adr" | NO |
| | 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 | NO |
| | https://echa.europa.eu/it/substances-restricted-under-reach | |
| 15.2 | Chemical Safety Assessment
A chemical safety assessment has not been carried out. | |
16. **Other information**
Data compared to the previous version:
Added products
Abbreviations and acronyms
ADR : European Agreement on the transport of dangerous goods by road
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European inventory of chemicals
CAS: Chemical Abstracts Service
Key literature references and sources of data
Safety data sheets of the suppliers of substances used in the formulation
<http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>
ESIS website:
<http://esis.jrc.ec.europa.eu>
Evaluating methods used for the purpose of classification:
- | Classification | Classification procedure |
|----------------|--------------------------|
| Not dangerous | Calculation method |
- Workers training to ensure protection of human health and environment health**
- Chemical risk training ex D.lgs 81/08 Titolo IX dangerous substances
 - Training on PPE