

Safety information sheet



CARBO FAST FAGC1PD10UR - CARBO FAST FAGC3PD10UR

Revision III of 2021.09.24

Replace revision: II of 2019.01.21

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

1.1 Product Identifier

Commercial name	Product code
CARBO FAST FAGC1PD10UR	188
CARBO FAST FAGC3PD10UR	178

1.2 Mixture Identified pertinent uses and suggested uses:

Catalyst for synthesis. Industrial use

1.3 Information on 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: Ph. 0557947819 Florence Poison center

1.5 Registration number

A registration number is not available for this product 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 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 Mixture

Product identifier	Concentration %	Classification	
		Classes of danger	Category codes
Activated carbon CAS 7440-44-0 EC: 231-153-3 N. Reach 01-2119488894-16-XXXX	89.5 ≤ C ≤ 92	None	None
Palladium monoxide CAS 1314-08-5 EC: 215-218-3 N. Reach: exempt for quantity	8 ≤ C ≤ 10.5	Ox. Sol. 1	H271

4. FIRST AID MEASURES

4.1 Descrizione delle misure di primo soccorso

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

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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 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:

- | | |
|--|--------------------|
| | NO |
| • 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 | YES |
| • Remove the clothing and shoes of the exposed individual | With gloves |
| • How to handle contaminated clothing | 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 need to immediately consult a doctor and special treatments

No specific provisions are known.

5. FIRE FIGHTING MEASURES

5.1 Fire fighting 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 Raccomandazioni speciali per gli addetti all'estinzione degli incendi

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 procedures in case of emergency

6.1.1. For non-emergency personnel

Move away in case of dust formation.

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 materials for containment and cleaning up



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6.3.1. Recommendations on how to contain a spill

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

6.3.2. Recommendations on how 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.

6.3.3. Any other information

None

6.4 Reference to other sections:

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7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

7.1.1. Recommendations that allow the substance or mixture to be handled safely, such as containment and prevention measures for fires and for the formation of aerosols and dusts

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. Generic recommendations on occupational 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. Management of risks associated with explosive atmospheres, corrosive conditions, flammability hazards, incompatible substances and mixtures, evaporation conditions, potential sources of ignition

Conservare nel contenitore originale chiuso.

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

Store in closed original container.

7.2.4. 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.

7.2.5. 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 uses:

Industrial use.

Catalyst for synthesis

8. EXPOSURE CONTROL / 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)

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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 technical 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 Eye / face protection Glasses

Skin (hand) protection Gloves Skin (hand) protection Gloves

Skin (body) protection Work clothes Skin (body) protection Work 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 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	Wet powder
Color	Black
Smell	Odorless
Melting point / freezing point	Not applicable
Boiling point or initial boiling point and boiling range	Not applicable
Flammability	Flammable in the dry state
Lower and upper explosive limits	Not explosive
Flash point	Not applicable
Self-ignition temperature	Flammable in the dry state: 460 ° C
Decomposition temperature	Not applicable
pH	Not applicable
Kinematic viscosity	Not applicable
Solubility	Insoluble in water
Partition coefficient n-octanol / water (logarithmic value)	Not applicable
Vapor pressure	Not applicable
Density and / or relative density	0.4 g / cm ³
Relative vapor density	Not applicable
Characteristics of the particles	Particle size D ₁₀ : 6 µm Particle size D ₅₀ : 20 µm Particle size D ₉₀ : 80 µm

9.2

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

10.

None

10.1

Reactivity

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- 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 in the dry state
- 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 the hazard classes 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 / eye 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
- Tossicità specifica per gli organi bersaglio (STOT) esposizione singola**
Based on available data, the classification criteria are not met
- Tossicità specifica per gli organi bersaglio (STOT) esposizione ripetuta**
Based on available data, the classification criteria are not met
- 11.2 Information on other hazards**
None
- 12. ECOLOGICAL INFORMATION**
- 12.1 Toxicity**
Non toxic. The mixture is highly insoluble in water and is unlikely to cross biological membranes.

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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	Bioaccumulation 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	Properties of interference with the endocrine system	No known effects
12.7	Other adverse effects	None
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.	INFORMAZION ON TRASPORT	
14.1	ONU Number or ID number	Not subject to ADR regulations. Steam-activated carbon is used for the preparation of 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	Not applicable
14.4	Packing group	Not applicable
14.5	Environmental hazards	Not applicable
14.6	Special precautions for users	Not applicable
14.7	Bulk sea transport in accordance with IMO acts	Not applicable
15.	REGULATORY INFORMATION	
15.1	Health, safety and environmental legislation and regulations specific to the substance or mixture	Applicability
	Reg. (EC) 1907/2006 / EC Reach	YES
	Reg. (EC) 1272/2008 CLP and following 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"	NO
15.2	Chemical safety assessment	
	A chemical safety assessment was not carried out	
16.	OTHER INFORMATION	
	Changes compared to the previous edition	
	Regulatory adaptation	
	Key to abbreviations and acronyms	

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ADR: European agreement concerning the international transport 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

Main bibliographic references and data sources

ECHA database on registered substances and those under registration:

<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

Non dangerous

Classification procedure

Test method

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

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