


Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
CARBO FAST FAGC3PD10 DRY



Revision n. II – 02.12.2022

Replaces revision n. I – 31.01.2022

1.	IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY		
1.1	Product identifier		
	Commercial name	Product code	
	CARBO FAST FAGC3PD10 DRY	303	
1.2	Relevant identified uses of the mixture and advised uses		
	Recommended uses	Industrial use.	
	Uses advised against	Check section 15	
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	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 as it is a mixture.		
2.	HAZARDS IDENTIFICATION		
2.1	Classification of the substance according to Regulation (EC) no. 1272/2008		
	Hazard class	Category codes	Hazards indications
	Flam. Sol	2	H228
	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 sources. No smoking.
		P240	Ground and bond container and receiving equipment
		P241	Use explosion-proof electrical equipment.
		P280	Wear protective gloves/ protecting clothing/ eye protection/ face protection
		P370 + P378	In case of fire: use nebulized water and foam to extinguish
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.	

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		<p>It does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, annex XIII</p> <p>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.</p>		
3.	COMPOSITION INFORMATION ON INGREDIENTS			
	3.2	Mixture		
		Product identifier	Concentration	Classification
			%	Dangerous class
				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	85.0 ≤ C ≤ 98.0	None
		Palladium CAS 7440-05-03 EC: 231-115-6 INDEX: not available <i>N.Reach: 01-2120140175-66-XXXX</i> ATE: not applicable M factors : not applicable	2.0 ≤ C ≤ 15.0	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 mouth immediately and drink two glasses of water.		
		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.		
		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 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 PPE		YES
	4.2	Most important symptoms and effects, both acute and delayed		

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		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	
	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	Special recommendations 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 those who do not intervene directly
		Move away in case of dust formation
	6.1.2.	For those who intervene directly
		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 materials for containment and cleaning up	
	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	References to other sections	
	None	
7.	HANDLING AND STORAGE	
7.1.	Precautions for Safe Handling	
	7.1.1.	<i>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</i>
		Avoid raising dust clouds especially in the presence of possible sources of ignition. Moist 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.	<i>Generic recommendations on occupational hygiene</i>

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		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
		Store in closed original container
	7.2.2.	Containment of the effects of weather conditions, pressure, temperature, sunlight, humidity and vibrations
		Store in closed original 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 uses
		Industrial use
8.		EXPOSURE CONTROL / PERSONAL PROTECTION
	8.1.	Control parameters
		The occupational and biological exposure limit values have not been established for this mixture. The stability limit values for the substance contained are reported below <u>Activated carbon</u> Germany: limit value for air - alveolar fraction: 1,5 mg / m ³ (long-term) Germany: limit value for air - respirable fraction: 4 mg / m ³ (long-term) Long-term temporary inhalation DNEL (repeated): Industrial workers: 3 mg / m ³ Professional workers: 3 mg / m ³ Consumers: 0,5 mg / m ³
	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
		Skin protection (hands) Gloves
		Skin (body) protection Work clothing
		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

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		Physical state	Dust
		Color	Black
		Odor	Odourless
		Melting point / freezing point	Not applicable
		Boiling point or initial boiling point and boiling range	Not applicable
		Flammability	Flammable
		Lower and upper explosive limits	Lower explosive limit: 20 g/m ³
		Flash point	Not applicable
		Self-ignition temperature	460 °C
		Decomposition temperature	Not applicable
		pH	6 – 7 (50 g/l at 20 °C – mixture with water)
		Cinematic viscosity	Not applicable
		Solubility	Insoluble in water
		Production coefficient n-octanol / water (logarithmic value)	Not applicable
		Vapor pressure	Not available
		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 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 the toxicological effects of aluminum oxide	
		Acute toxicity	- Oral: acute toxicological classification method

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			(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
		Toxic for reproduction	Based on available data, the classification criteria are not met
		Specific target organ toxicity (STOT) single exposure	Data not available
		Specific target organ toxicity (STOT) repeated exposure	Data not available
	11.2	Other information	
		None	
12.		ECOLOGICAL INFORMATION	
	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 natural enzymatic or chemical process
	12.3	Bioaccumulation potential	The mixture is not bioaccumulative
	12.4	Mobility in soil	Not pertinent data
	12.5	Results of PBT and vPvB assessment	No effect known
	12.6	Properties of interference with the endocrine system	Not known effects

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	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.		INFORMATION ON TRASPORT	
	14.1	UN number or ID number	UN3178
	14.2	UN proper shipping name	Flammable solid, inorganic, N.O.S. (Charcoal activated, Palladium Metal), III(E)
	14.3	Transport hazard class(es)	4.1 flammable solid
	14.4	Packing group	III
	14.5	Environmental hazards	NO
	14.6	Special precautions for user	n.a.
	14.7	Maritime transport in bulk according to IMO instruments	n.a.
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"	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 https://echa.europa.eu/it/substances-restricted-under-reach	Limited use Item 40 (check link)
	15.2	Chemical safety assessment	
		A chemical safety assessment was not carried out	
16.		OTHER INFORMATION	
		Changes compared to previous edition	
		Regulamentary amendment	
		Key to abbreviations and acronyms	
		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	

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			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	Classification procedure
			Flammable solid	H228 Test method
			Adequate training for workers in order to ensure the protection of human health and the environment	
			<ul style="list-style-type: none"> • Training on Chemical Risk pursuant to Legislative Decree 81/08 Title IX dangerous substances • Training on PPE 	