

Safety information sheet
CARBO FAST FAGC1PD5V



Revision n. III of 2021.09.24

Replaces revision n. II of 2019.01.21

1.	IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY			
1.1	Product identifier			
	Commercial name	Product code		
	CARBO FAST FAGC1PD5V	192		
1.2	Relevant identified uses of the mixture and advised uses			
	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 Poison Control Center of Florence		
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: 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	
		%	Dangerous class	Category codes
	Active Carbon CAS 7440-44-0 N. Reach: 01-2119488894-16	97.8 ≤ C ≤ 93.8	None	None
	Palladium CAS 7440-05-03 N. Reach 01-2120140175-66-XXXX	2.0 ≤ C ≤ 5.5	None	None
	Vanadium CAS 7440-62-2 EC 231-171-1 N. Reach Not available	0.2 ≤ C ≤ 0.7	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 mouth immediately and drink two glasses of water.			

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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.												
		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:												
		<table border="1"> <tr> <td>• Need to see a doctor immediately</td> <td>NO</td> </tr> <tr> <td>• Possibility of delayed effects following exposure</td> <td>NO</td> </tr> <tr> <td>• Move the exposed individual from the place of exposure to open air</td> <td>NO</td> </tr> <tr> <td>• Remove clothing and shoes of the exposed individual</td> <td>YES</td> </tr> <tr> <td>• How to handle contaminated clothing</td> <td>With gloves</td> </tr> <tr> <td>• For those providing first aid, wear PPE</td> <td>YES</td> </tr> </table>	• 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
• 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												
		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												
		<table border="1"> <tr> <td>Suitable extinguishing media</td> <td>water spray, foam</td> </tr> <tr> <td>Unsuitable extinguishing media</td> <td>dust</td> </tr> </table>	Suitable extinguishing media	water spray, foam	Unsuitable extinguishing media	dust								
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												

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			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>
			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
		7.2.3.	Containment of the effects of weather conditions, pressure, temperature, sunlight, humidity and vibrations
			Store in closed original closed 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	
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 <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

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		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
		Appearance Black wet powder
		Smell Odourless
		Odor threshold -
		pH Not applicable
		Melting point / freezing point Not applicable
		Initial boiling point and boiling range Not applicable
		Flash point Not applicable
		Evaporation rate -
		Flammability (solid, gas) Flammable in the dry state
		Upper / lower flammability or explosive limits Not explosive
		Vapor pressure Not applicable
		Vapor density Not applicable
		Relative density (in solid form) 0.4 g / cm ³
		The solubility (ies) Insoluble in water
		Partition coefficient n-octanol / water Not applicable
		Self-ignition temperature Flammable at the dry status: 460°C
		Decomposition temperature Not applicable
		Viscosity Not applicable
	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.

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	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, CO ₂	
11.		TOXICOLOGICAL INFORMATION	
	11.1	Information on the toxicological effects of aluminum oxide	
		Acute toxicity	<ul style="list-style-type: none"> - 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
		Toxic for reproduction	Based on available data, the classification criteria are not met

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		Specific target organ toxicity (STOT) single exposure	Based on available data, the classification criteria are not met
		Specific target organ toxicity (STOT) repeated exposure	Based on available data, the classification criteria are not met
	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	Not applicable
	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	
		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.	
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	

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			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 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: Calculation 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 DPI