According to Regulation n. 1907/2006 and Regulation 878/2020 CARBO FAST FAGCPDUR DRY CARBO FAST FAGCPDEUR DRY



	ITIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY				
Product identifier					
Commercial name	Product code				
CARBOFAST FAGC1PD5EUR DRY	312				
CARBOFAST FAGC1PD5UR DRY	313				
CARBOFAST FAGC1PD3UR DRY	315				
CARBOFAST FAGC3PD3EUR DRY	317 MTU0-V00T-F00G-12M4				
UFI code					
Relevant identified uses of the mi					
Recommended uses	Industrial use.	Catalyst for synthesis			
Uses adviced against	None in particular				
Information on the supplier of the	e safety data sheet				
Name	FAGGI ENRICO S.P.A.				
Adress	Via Majorana, 101/10	3 50019 Sesto Fiorentino FI			
Telephone number	055311861				
Fax number	055311791				
Competent person responsible	lorenzo.magaldi@fagg	gi.it			
for the safety data sheet					
Emergency telephone number 111 - Medical helpline operating in England, in					
A registration number is not availa	able for this product as i	t is a mixture.			
HAZARDS IDENTIFICATION	·				
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 W					
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			
CCCCLFCFCFCFCFCFCF	CARBOFAST FAGC1PD5EUR DRY CARBOFAST FAGC1PD5UR DRY CARBOFAST FAGC1PD3UR DRY CARBOFAST FAGC3PD3EUR DRY UFI code Relevant identified uses of the mi Recommended uses Uses adviced against Information on the supplier of the Name Adress Telephone number Fax number Competent person responsible For the safety data sheet Emergency telephone number A registration number A registration number is not available HAZARDS IDENTIFICATION Classification of the substance acceptation Hazard class Flam. Sol Label elements Pictograms Signal word Hazard statements	CARBOFAST FAGC1PD5EUR DRY CARBOFAST FAGC1PD5UR DRY CARBOFAST FAGC1PD3UR DRY CARBOFAST FAGC1PD3UR DRY CARBOFAST FAGC3PD3EUR DRY CARBOFAST INDUSTRIAL CONTROL OF THE SAFETY OF THE SAFET			

According to Regulation n. 1907/2006 and Regulation 878/2020 CARBO FAST FAGCPDUR DRY CARBO FAST FAGCPDEUR DRY



		UFI code	MTU0-V00T-F00G-12	M4			
	2.3	Other hazards	Under certain conditi air can give rise to an coal removes oxygen dangers for people in It does NOT contain F to Regulation (EC) 19 It does NOT contain s endocrine system in a 1907/2006 art.59 par the criteria establishe and Regulation (EU) 2	explosive atmosfrom the air, callow oxygen en PBT / vPvB substances that accordance with agraph 1 and in red in Regulation	osphere. Damp ausing serious vironments. tances according tances with the n Regulation (EC)		
3.		COMPOSITION INFORMATION ON	INGREDIENTS				
	3.2	Mixture Product identifier	Concentration %	Clas	sification		
		_		Hazard classes	Category codes		
		Active Carbon CAS 7440-44-0 EC: 931-328-0 INDEX: not available N. Reach 01-2119488894-16-XXXX ATE: not applicable M factors: not applicable Palladium monoxide	85.0 ≤ C ≤ 98.0 2.0 ≤ C ≤ 15.0	None Ox. Sol. 1	None H271		
4.		CAS 1314-08-5 EC: 215-215-3 INDEX: not available N.Reach: not available ATE: not applicable M factors: not applicable FIRST AID MEASURES					
	4.1	Description of first aid measures					
		Inhalation: Remove from exposure	e and breathe fresh air.	If breathing is	difficult, call a		
		doctor right away.					
		Ingestion: Wash mouth immediate	<u>, </u>				
		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 co at least 15 minutes, opening the ey			•		
		RECOMMENDATIONS:			NO		
		Need to see a doctor immedia	NO				
		Possibility of delayed effects f	ollowing exposure		NO		

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		• Mc	ove the exposed individual from the place of exposure to open air	NO					
			move clothing and shoes of the exposed individual	YES					
		• How	With gloves						
		• Foi	r those providing first aid, wear PPE	YES					
	4.2		mportant symptoms and effects, both acute and delayed						
		Contac	t with eyes and skin and inhalation can cause irritation due to the a	brasive action of					
		the dust. Indication of any need to immediately consult a doctor and special treatments							
	4.3								
		No specific provisions are known.							
5.		FIRE FIG	GHTING MEASURES						
	5.1	Fire fig	hting						
		Suitable	Suitable extinguishing media water spray, foam						
		Unsuita	able 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					
		atmosp	phere.						
	5.3		recommendations for firefighters						
			aising dust clouds. Normal fire-fighting clothing, such as self-contain	·					
			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.	•						
			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		nvironmental precautions						
			pecific provisions are required						
	6.3		nods and materials for containment and cleaning up						
		6.3.1.	•						
			Collect the dispersed product and wash the residue with plenty of water.						
		6.3.2.	·						
			The fire extinguishing water must not be discharged into the sewer	•					
			the contaminated water used for extinguishing and the residue of						
			according to current regulations. To avoid dust formation, spray wa	ater before					
			cleaning.						
		6.3.3.	Any other information						
		None							
	6.4	_	nces to other sections						
_		None	INC AND STORAGE						
7.		_	ING AND STORAGE						
	7.1.	Precau	tions for Safe Handling						

According to Regulation n. 1907/2006 and Regulation 878/2020 CARBO FAST FAGCPDUR DRY CARBO FAST FAGCPDEUR DRY



		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.
			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.	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
			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. Catalyst for synthesis
8.			EXPOSURE CONTROL / PERSONAL PROTECTION
	8.1.		Control parameters
			Occupational and biological exposure limit values have not been established for this mixture. Below are the limit values established for the substance contained
			ACTIVATED CARBON DNEL
			Workers
			Systemic effects for long-term exposure – inhalation: no hazard identified
			Systemic effects for short-term exposure – inhalation: no hazard identified
			Local effects for long-term exposure – inhalation: 1.84 mg/m3
			Local effects for short term exposure – inhalation: no danger identified
			Systemic effects for long-term exposure – cutaneous: no hazard identified
			Systemic effects for short-term exposure – cutaneous: no hazard identified
			Local effects for long-term exposure – no hazards identified
			Local effects for short term exposure – no hazards identified
			Eye hazards: No hazards identified
			General population
			Systemic effects for long-term exposure – inhalation: no hazard identified

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	8.2.3.	Environmental exposure co	ontrols		
		Thermal hazards	None		
			management measures are required.		
		Respiratory protection	In the wet form, with low dustiness, no risk		
		Skin (body) protection	Work clothing		
			0.5mm Penetration time: ≥ 60 min DIN EN374 method		
			Material thickness: 0.5mm		
			Natural latex		
			Glove Material:		
			Standards		
		Skin protection (hands)	Gloves for chemical risks compliant with EN420 EN374		
	0.2.2.	Eye / face protection	Safety glasses compliant with DIN EN 166		
	8.2.2.		sures, such as personal protective equipment		
	0.2.1.		lustiness, no risk management measures are required		
0.2.	8.2.1.	Appropriate technical cont	rrols		
8.2.		Exposure controls			
		Sediment (seawater): no has Soil: no hazards identified	azard identified		
		Sediment (freshwater): No			
		Sewage treatment plant: n			
		Sea water: no hazards iden	itified		
		Fresh water: no hazards ide	entified		
		No hazards identified PNEC			
		DNEL No hazarda idantifiad			
		PALLADIUM MONOXIDE			
	Soli. 10 mg/ kg dry weight of the soli				
		Sediment (seawater): no data available: test technically not feasible Soil: 10 mg/kg dry weight of the soil			
		,	data available: test technically not feasible		
			o data available: test technically not feasible		
		Sea water: no data availab	le: test technically not feasible		
Fresh water: no data available: test technically not feasible			able: test technically not feasible		
		PNEC			
		Eye hazards: No hazards identified			
			term exposure – oral: no hazard identified		
		,	erm exposure – oral: no hazard identified		
			n exposure – skin: no hazard identified		
		·	exposure – skin: no hazard identified		
			term exposure – cutaneous: no hazard identified		
			n exposure – inhalation: no hazard identified erm exposure – cutaneous: no hazard identified		
			exposure – inhalation: 0.9 mg/m3		
			and the state of t		

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



		Emissions from manufacturing processes, include	ding 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 pro	pperties	
		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	
		рН	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	ne specified conditions of storage,	
		shipping and use.		
	10.3	Possibility of hazardous reactions		
	10.4	Flammable		
	10.4	Conditions to avoid Do not store together with oxidizing material.		
	10 F	-		
	10.5	Incompatible materials Keep away from strong oxidizing agents		

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	10.6	Hazardous decomposition products		
		CO, CO ₂		
11.		TOXICOLOGICAL INFORMATION		
	11.1			uminum oxide
		Acute toxicity		sed on available data, the
		·	cla	assification criteria are not met
		Skin corrosion / irritation	Ва	sed on available data, the
			cla	assification criteria are not met
		Serious eye damage / eye irritation	Ва	sed on available data, the
			cla	assification criteria are not met
		Respiratory or skin sensitization	Ва	sed on available data, the
		, ,		assification criteria are not met
		Germ cell mutagenicity		sed on available data, the
		Community		assification criteria are not met
		Carcinogenicity		sed on available data, the
		curomogernaty		assification criteria are not met
		Toxicicity for reproduction		used on available data, the
		Toxicicity for reproduction		assification criteria are not met
		Consider toward among the district (CTOT)		
		Specific target organ toxicity (STOT) single exposure	Da	ata not available
		Specific target organ toxicity (STOT)	Da	ata not available
		repeated exposure		ita not avanasie
	11.2	Other information None		
12		ECOLOGICAL INFORMATION		
	12.1	Toxicity	No	n toxic. The mixture is highly insoluble
				water and is unlikely to cross
				ological membranes.
	12.2	Persistence and degradability		e substance is a refractory material
				d not subject to decomposition by any
	42.2	8	_	tural enzymatic or chemical process
	12.3	Bioaccumulation potential		e mixture is not bioaccumulative
	12.4	Mobility in soil Results of PBT and vPvB assessment		t pertinent data
	12.5 12.6	Properties of interference with the		et applicable effect known
	12.0	endocrine system	INC	effect known
	12.7	Other adverse effects	No	effect known
13		DISPOSAL CONSIDERATIONS		
	13.1	Waste treatment methods		
		Both the mixture and the packaging mu	ist be s	sent to plants authorized for the
		disposal of industrial waste		·
14		INFORMATION ON TRASPORT		
	14.1	UN number or ID number		UN3178

According to Regulation n. 1907/2006 and Regulation 878/2020 CARBO FAST FAGCPDUR DRY CARBO FAST FAGCPDEUR DRY



	14.2		,, -	ammable solid, ir Ory charcoal), III(E			
	14.3		Transport hazard class		•		
			ADR/RID/ADN/IMDG/ICAO-IATA Class: 4.	1			
			ADR/RID/ADN/IMDG/ICAO-IATA Label: 4.	1			
			ADR: Tunnel restriction code E				
				A, S-G			
	14.4		Packing group III				
	14.5		Dangers for the environment				
			ADR/RID/ADN/ICAO-IATA: N				
			IMDG: Marine Contaminant: N	0			
	14.6		Special precautions for users Transport must be carried out by vehicles author				
			goods according to the provisions of the current and the applicable national provisions. Transport packaging and, in any case, in packaging which is be attacked by the contents, and which are not li reactions. Those responsible for loading and unlo received appropriate training on the risks presen procedures to be adopted in the event of emerge	must be carried of made of material kely to generate of pading dangerous ted by the prepar	out in the original s which cannot dangerous goods must have		
	14.7		Maritime transport in bulk according to IMO				
			Bulk transport is not foreseen				
15.			REGULATORY INFORMATION				
		15.1	Health, safety and environmental legislation and	Applicability			
			specific to the substance or mixture	\/FC			
	Reg. (EC) 1907/2006 / EC Reach		YES				
			Reg. (EC) 1272/2008 CLP and following changes	YES			
			Reg. (CE) 2037/2000 "Substances that deplete the		NO NO		
			Reg. (EC) 850/2004 "Persistent organic pollutant Reg. (EC) 689/2008 "export and import of dange	NO NO			
			chemicals"	erous	NO		
			Substance listed in Annex I of Dir. 2012/18 / EU Seveso	so-called	NO		
			Legislative Decree 81/2008 Consolidated Law or safety at work	n health and	YES		
			Directive 2014/103 / EU "Adr"		YES		
			Reg. (CE) 1907/2006/CE Reach art. 59 – Candida Substances of Very High Concern (SVHC)	te List of	NO		
			Reg. (CE) 1907/2006/CE Reach - Annex XIV - Au		NO		
			Reg. (CE) 1907/2006/CE Reach - Annex XVII - Re	estriction List	Limited use		
			https://echa.europa.eu/it/substances-restricted	d-under-reach	Item 40 (check link)		
		15.2	Chemical safety assessment				
			A chemical safety assessment was not carried ou	t			
16.			OTHER INFORMATION				

According to Regulation n. 1907/2006 and Regulation 878/2020 CARBO FAST FAGCPDUR DRY CARBO FAST FAGCPDEUR DRY



Changes compared to previous edition
Changes to sections 1-2-8-10-14-16
Key to abbreviations and acronyms
ADN: European Agreement concerning the International Carriage of Dangerous
Goods by Inland Waterways
ADN: European Agreement concerning the International Carriage of Dangerous
Goods by Inland Waterways
GHS: Globally Harmonized System of Classification and Labeling of Substances
EINECS: European Inventory of Chemical Substances
CAS: Chemical Abstract Service
STA: Acute Toxicity Estimate
PBT: Persistent, Bioaccumulative and Toxic.
vPvB: (very persistent and very bioaccumulative). Very persistent and very
bioaccumulative
LD: lethal dose
PNEC: predicted no effect concentration
DNEL: derived no effect level
TLV (ceiling value): threshold limit value
STEL: short-term exposure limit
EU-OEL: European occupational exposure limit
TWA: time-weighted average
EC: effective concentration
NOAEL: no observed adverse effect level
LC: lethal concentration NOEC: no observed effect concentration
LOEC: lowest observed effect concentration
Bw: body weight
Koc: organic carbon-water partition coefficient 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
Classification procedure
Flammable solid H228 Test method
Adequate training for workers in order to ensure the protection of human health and the environment
Training on Chemical Risk pursuant to Legislative Decree 81/08 Title IX
dangerous substances
Training on PPE