

Safety information sheet



PD ON ZEOLITE FAGZPD

Revision n. III – 05.12.2022

Replaces revision II – 24.09.2021

1.	IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY			
1.1	Product identifier			
	Chemical name	PD ON ZEOLITE FAGZPD		
	Product code	216		
1.2	Relevant identified uses of the mixture and advised uses			
	Recommended uses: industrial use Uses advised against : none in particular			
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: not dangerous			
2.2	Label elements: not applicable			
2.3	Other hazards			
	It does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, annex XIII 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.			
3.	COMPOSITION INFORMATION ON INGREDIENTS			
3.1	Mixture			
	Product identification	Concentration %	Classification	
			Hazard class	Category codes
	Silicic acid, sodium aluminum salt CAS 1344-00-9 EC: 215-684-8 INDEX: not available N° REACH: 01-2119429887-22-XXXX ATE: not applicable M factors: not applicable	97.5 ≤ C ≤ 98.5	None	None
	Palladium CAS 7440-05-03 EC: 231-115-6 INDEX: not available N.Reach: 01-2120140175-66-XXXX	1.5 ≤ C ≤ 2.5	None	None

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		ATE: not applicable M factors: non applicable		
4.		FIRST AID MEASURES		
	4.1	Description of first aid measures		
		Inhalation: In case of irritation of the respiratory tract, take to fresh air. See a doctor if symptoms worsen or persist.		
		Ingestion: if the amount ingested is known and it is important: consult a doctor immediately. Do not induce vomiting. Do not give water to an unconscious person.		
		Skin contact: Remove contaminated clothing and shoes and wash skin immediately with plenty of water for at least 15 minutes. Get medical attention if irritation occurs. Wash clothing before reuse. Clean your shoes thoroughly 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:		
		• 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		
		Suitable extinguishing media	Carbon dioxide, dry chemical powder, foam. Diffusion water jet	
		Unsuitable extinguishing media	The use of a compact jet can spread the fire.	
	5.2	Special hazards arising from the substance or mixture		
		None		
	5.3	Special recommendations for firefighters		
		Protective clothing with self-contained breathing apparatus		
6.		ACCIDENTAL RELEASE MEASURES		
	6.1	Personal precautions, protective equipment and emergency procedures		
		6.1.1.	For those who do not intervene directly	
			Remove unnecessary personnel	
		6.1.2.	For those who intervene directly	
			Keep upwind. Isolate the exposure. Wear appropriate protective equipment. Wear suitable clothing (see point 8)	

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6.2	Environmental precautions
	Prevent spillage into sewers or waterways.
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 extinguishing water from the fire 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 inhaling the dusts. Avoid contact with eyes and skin. Avoid the suspension in the air of pulverized materials.
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
	Keep in the original packaging and close them immediately after use.
7.2.3.	Containment of the effects of weather conditions, pressure, temperature, sunlight, humidity and vibrations
	Keep in closed original container
7.2.4.	Conditions for keeping substances / mixtures intact
	None
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
	For this mixture, the occupational and biological exposure limits do not sound stable.
8.2.	Exposure controls
8.2.1.	Appropriate technical controls

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			Minimize exposure by respecting good industrial hygiene practices. Ensure adequate ventilation to minimize dust concentrations.
		8.2.2.	Individual protection measures, such as personal protective equipment
		Eye / face protection	Glasses
		Skin protection (hands)	Waterproof gloves for prolonged contact
		Skin (body) protection	Working clothes
		Respiratory protection	In case of insufficient ventilation use respiratory equipment.
		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	White solid
		Odor	Odorless
		pH	About 10 (aqueous suspension 50 g / L at 20 ° C)
		Melting point / freezing point	550 ° C
		Initial boiling point and boiling range	Not available
		Flash point	Not flammable
		Evaporation rate	Not applicable
		Flammability (solid, gas)	Not flammable
		Upper / lower flammability or explosive limits	Not explosive
		Vapor pressure	Not applicable
		Vapor density	Not applicable
		Relative density	2.02 g / cm ³
		Solubility (ies)	70 mg / l at 20 ° C
		Partition coefficient n-octanol / water	Not applicable
		Auto-ignition temperature	Non-flammable
		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
			Stable
	10.3		Possibility of hazardous reactions

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		No information available	
10.4		Conditions to avoid	
		Keep away from oxidizing agents. Avoid the suspension in the air of pulverized materials.	
10.5		Incompatible materials	
		Keep away from oxidizing agents	
10.6		Hazardous decomposition products	
		Toxic fumes: aluminum oxides. Sodium. Silicon	
11.		TOXICOLOGICAL INFORMATION	
11.1		Information on the toxicological effects of aluminum oxide	
		Acute toxicity HAS SILICAT (1344-00-9)	LD 50 oral rat: 5000 mg / kg LD50 skin rabbit > 2000 mg / kg
		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
		Specific target organ toxicity (STOT) single exposure	Based on available data, the classification criteria are not met
		Specific target organ toxicity (STOT) repeated exposure No data available	Based on available data, the classification criteria are not met
11.2		Other information	
		None	
12.		ECOLOGICAL INFORMATION	
12.1		Toxicity	LC50 fish >1800 mg/l 96 hours

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			EC50 daphnia >1000 mg/l 48 hours
	12.2	Persistence and degradability	No other information available
	12.3	Bioaccumulation potential	No other information available
	12.4	Mobility in soil	No other information available
	12.5	Results of PBT and vPvB assessment	Not applicable
	12.6	Properties of interference with the endocrine system	Not know effects
	12.7	Other adverse effects	None known effects
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.		TRANSPORT INFORMATION	
	14.1	UN number or ID number	Not subject to ADR regulations
	14.2	UN proper shipping name	
	14.3	Transport hazard class	
	14.4	Packing group	
	14.5	Environmental hazards	
	14.6	Special precautions for users	
	14.7	Bulk sea transport in accordance with IMO acts	
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
		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	NO
	15.2	Chemical safety assessment	
		A chemical safety assessment was not carried out	
16.		OTHER INFORMATION	
		Changes compared to previous edition	

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			Regulatory 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
			Adequate training for workers to ensure the protection of human health and the environment
			Classification : Not dangerous
			Classification procedure: Calculation method
			Training on Chemical Risk pursuant to Legislative Decree 81/08 Title IX dangerous substances
			<ul style="list-style-type: none">• Training on PPE
			<ul style="list-style-type: none">• Training on Chemical Risk pursuant to Legislative Decree 81/08 Title IX dangerous substances