

Safety information sheet



Pd on Aluminum silicate FAGS1PD2UR

Revision n. I of 2021.11.02

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY

1.1 Product identifier

Chemical name Pd on Aluminum silicate FAGS1PD2UR

Product code 165

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 number: not available N° REACH: 01-2119429887-22-XXXX	97.0 ≤ C ≤ 98.0	None	None
Palladium monoxide CAS 1314-08-5 EC 215-218-3 Index number: not available N° Reach: exempt for quantity	2.0 ≤ C ≤ 3.0	Ox. Sol. 1	H271

4. FIRST AID MEASURES

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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: I know the amount ingested and it is important: I will consult a doctor immediately. I will 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



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6.1.2. For those who intervene directly

Keep upwind. Isolate the exposure. Wear appropriate protective equipment. Wear suitable clothing (see point 8)

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. 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 inhaling the dusts. Avoid contact with eyes and skin. Avoid the suspension in the air of pulverized materials.

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

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

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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

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 Nobody

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	1710 ° 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

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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

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 oxidising 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

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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	CL50 fish >1800 mg/l 96 hours CE50 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

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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.	INFORMAZION ON TRASPORT	
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
15.2	Chemical safety assessment	
	A chemical safety assessment was not carried out	
16.	OTHER INFORMATION	
	Changes compared to previous edition	
	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	

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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

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