SAFETY DATA SHEET
HYDROSEAL P820

Issue date: October 21, 2025

1. Product and Company Identification

Product Identification

Product Name	Powder silicone water repellent
Reference	HYDROSEAL P820
Manufacturer Catalog No.	RJ-H82
Synonyms	-
CAS No.	-
EC No.	-
Molecular Formula	-
REACH Registration Number	-

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant identified uses	Dry-mixed mortar, facing mortar, cement mortar, aerated concrete, foamed cement insulation material, microcrystalline floor leveling filler, cement putty, waterproof joint filler, cement fiber board and other products with cement base material.
Uses advised against	Contact with strong acids and base.

Supplier Information

Company Name	TECSIL S.A.S
Company Address	Autopista Medellín, Km 2.5, Parque Industrial Portos Sabana 80, bodega 142, Cota.
Phone	3044315070
Email	Publicidadymercadeo@tecsil-la.com

2. Hazards Identification

CLP CLASSIFICATION according to Regulation (EC) No. 1272/2008

Skin Corrosion/Irritation	Category 2

Label Elements

Hazard pictograms	
Signal word	**Warning**

Hazard Statements

	Not applicable.

Precautionary Statements
Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P264	Wash ... thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P303+P352	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Storage

P403+P235	Store in a well-ventilated place. Keep cool.

Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards

	Inhalation may damage health.

3. Composition/Information on Ingredients

Component	CAS No.	EC No.	Registration No.	Hazard Classification according to CLP	Specific Concentration Limits, M-Factors, ATE	Concentration (weight %)
Poly(dimethylsiloxane)	9016-00-6	-	-	Not classified	-	50%
Silica	7631-86-9	-	-	Not classified	-	50%

4. First Aid Measures

Description of First Aid Measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if discomfort occurs.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if discomfort occurs.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

1. Treat symptomatically.

2. Symptoms may be delayed.

5. Firefighting Measures

Suitable extinguishing media	Small Fire: Dry chemical, CO2, water spray or alcohol-resistant foam; Large Fire: Water spray, fog or alcohol-resistant foam.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter or spread fire.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

1. Not applicable

ADVICE FOR FIREFIGHTERS

1. As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2. Fight fire from a safe distance, with adequate cover.
3. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

1. Avoid breathing vapours and contacting with skin and eye.
2. Beware of vapours accumulating to form explosive concentrations.
3. Vapours can accumulate in low areas.
4. Emergency personnel wear positive pressure self-contained breathing apparatus. Wear protective and anti-static clothing. Wear chemical impermeable gloves.
5. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
6. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
7. Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

ENVIRONMENTAL PRECAUTIONS

1. Prevent further leakage or spillage if safe to do so.
2. Discharge into the environment must be avoided.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

1. Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
2. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
3. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

7. Handling and Storage

Precautions for Handling

Protective measures

1. Handling is performed in a well ventilated place.
2. Wear suitable protective equipment.

3. Avoid contact with skin and eyes.

Measures to prevent fire

1. Use only non-sparking tools.
2. To prevent fire caused by electrostatic discharge steam, equipment on all metal parts should be grounded.
3. Use explosion proof equipment.
4. Keep away from heat/sparks/open flames/hot surfaces.

Measures to prevent aerosol and dust generation

1. Not applicable.

Advice on general occupational hygiene

1. Wash hands and face after using of the substances.
2. Replace the contaminated clothing immediately.

Conditions for Safe Storage, Including Any Incompatibilities

1. Keep containers tightly closed.
2. Keep containers in a dry, cool and well-ventilated place.
3. Keep away from heat/sparks/open flames/hot surfaces.
4. Store away from incompatible materials and foodstuff containers.

Specific End Uses

1. In addition to use mentioned in the first parts, unforeseen other specific end uses.

8. Exposure Controls/Personal Protection

CONTROL PARAMETERS

Occupational Exposure limit values

	No information available

Biological limit values

Biological limit values	
	No information available

Monitoring methods

1. EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2. GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard).

Component: Poly(dimethylsiloxane) — Derived No Effect Level (DNEL) for Workers

Route of exposure	Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Inhalation	No data available	No data available	No data available	No data available
Oral	No data available	No data available	No data available	No data available
Dermal	No data available	No data available	No data available	No data available

Predicted No Effect Concentration (PNEC)	No information available

ENGINEERING CONTROLS

1. Ensure adequate ventilation, especially in confined areas.
2. Ensure that eyewash stations and safety showers are close to the workstation location.
3. Use explosion-proof electrical/ventilating/lighting/equipment.
4. Set up emergency exit and necessary risk-elimination area.

PERSONAL PROTECTION EQUIPMENT

General requirement	
Eye protection	Tightly fitting safety goggles (approved by EN 166 (EU) or NIOSH (US)).
Hand protection	Wear protective gloves (such as butyl rubber), passing the tests according to EN 374 (EU), US F739 or AS/NZS 2161.1 standard.
Respiratory protection	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and body protection	Wear fire/flame resistant/retardant clothing and antistatic boots.

9. Physical and Chemical Properties

Physical state	Powder
Colour	White
Odor	Slight odor

Odor threshold	No information available
pH	No information available, substance/mixture is non-soluble (in water)
Melting point/freezing point (°C)	No information available
Initial boiling point and boiling range (°C)	No information available
Flash point (Closed cup, °C)	>65°C
Density (20°C, g/cm^3)	0.5~0.65
Flammability	No information available
Upper/lower explosive limits [%(v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	No information available
Vapor density (Air=1)	No information available
Relative density (Water=1)	0.55 g/cm^3 (25°C)
Solubility (mg/L)	No information available
n-octanol/water partition coefficient	No information available
Auto-ignition temperature (°C)	No information available
Decomposition temperature (°C)	No information available
Viscosity (mm^2/s)	No information available
Explosive properties	No information available
Oxidizing properties	No information available

10. Stability and Reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	In contact with oxidants causes severe reactions, and may cause a fire or explosion.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Oxidants, alkali metals, alkaline earth metals and aluminum.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

ACUTE TOXICITY

Acute toxicity	No information available

CARCINOGENICITY

ID	Cas No.	Component	IARC	NTP
1	9016-00-6	Poly(dimethylsiloxane)	Not Listed	Not Listed

OTHER

Skin corrosion/irritation	Causes skin irritation (Category 2)
Serious eye damage/irritation	No information available
Skin sensitization	No information available
Respiratory sensitization	No information available
Reproductive toxicity	No information available
STOT-single exposure	No information available
STOT-repeated exposure	No information available
Aspiration hazard	No information available
Germ cell mutagenicity	No information available
Reproductive toxicity (additional)	No information available

12. Ecological Information

- Acuteaquatictoxicity:Noinformation available.
- Chronicaquatictoxicity:Noinformation available.

Persistence and Degradability

Component	Cas No.	Persistence (water/soil)	Persistence (air)
Poly(dimethylsiloxane)	9016-00-6	High	High

Bioaccumulative Potential

Component	Cas No.	Bioaccumulative potential	Comments
Poly(dimethylsiloxane)	9016-00-6	Medium	-

Mobility in Soil

Component	Cas No.	Mobility in soil / Soil Organic Carbon-Water Partitioning Coefficient (Koc)
Poly(dimethylsiloxane)	9016-00-6	Low / -

Results of PBT and vPvB Assessment

Component	Cas No.	Results of PBT and vPvB assessment (according to (EC) No 2015/830)
Poly(dimethylsiloxane)	9016-00-6	not PBT/vPvB

- Endocrine-disrupting properties: The mixture does not contain endocrine disruptors.
- Other adverse effects: Not available.
- Additional information: Not available.

13. Disposal Considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section 13.1 and 13.2.

14. Transport Information

Transporting Label	Not applicable
IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
ICAO/IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

15. Regulatory Information

International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Poly(dimethylsiloxane)	✓	✓	X	✓	✓	✓	✓	✓	X

[EINECS] European Inventory of Existing Commercial Chemical Substances
[TSCA] United States Toxic Substances Control Act Inventory
[DSL] Canadian Domestic Substances List
[IECSC] China Inventory of Existing Chemical Substances

[NZIoC] New Zealand Inventory of Chemicals
[PICCS] Philippines Inventory of Chemicals and Chemical Substances
[KECI] Existing and Evaluated Chemical Substances
[AICS] Australia Inventory of Chemical Substances
[ENCS] Existing And New Chemical Substances

European Chemical Inventory

Component	A	B	C	D	E	F	G
Poly(dimethylsiloxane)	X	X	X	✓	✓	X	X

[A] Candidate list of Substances of Very High Concern for authorization under EU REACh regulation
[B] Substances requiring authorisation under EU REACh regulation
[C] Substances restricted under EU REACh
[D] Pre-registered substances under EU REACh
[E] Registered substances under EU REACh
[F] Substance Evaluation – CoRAP under EU REACh
[G] List of priority substances under EU water policy (Directive 2455/2001/EC)
Note: "✓" indicates that the substance is included in the regulations; "X" indicates that there is no data or that it is not included in the regulations.

Information on Revision

Creation Date	2022/12/20
Revision Date	2024/12/25
Reason for revision	-

Reference

[1] IPCS: The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home.
[2] IARC, website: http://www.iarc.fr/.
[3] OECD: The Global Portal to Information on Chemical Substances, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en.
[4] CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple.
[5] NLM: ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp.
[6] EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/.
[7] U.S. Department of Transportation: ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg.
[8] Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/.

16. Other Information

Abbreviations and Acronyms

CAS – Chemical Abstracts Service
CMR – Carcinogens, mutagens or substances toxic to reproduction
PC-STEL – Short term exposure limit
PC-TWA – Time Weighted Average
DNEL – Derived No Effect Level
IARC – International Agency for Research on Cancer
RPE – Respiratory Protective Equipment

PNEC – Predicted No Effect Concentration
LC50 – Lethal Concentration 50%
LD50 – Lethal Dose 50%
NOEC – No Observed Effect Concentration
EC50 – Effective Concentration 50%
PBT – Persistent, Bioaccumulative, Toxic
POW – Partition coefficient Octanol:Water
BCF – Bioconcentration factor (BCF)
vPvB – very Persistent, very Bioaccumulative
IMDG – International Maritime Dangerous Goods
ICAO/IATA – International Civil Aviation Organization/International Air Transportation Association
UN – The United Nations
ACGIH – American Conference of Governmental Industrial Hygienists
NFPA – National Fire Protection Association
OECD – Organization for Economic Co-operation and Development

Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACh Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.