SAFETY DATA SHEET

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Version: 0001

Section 1 – Product and Company Identification

1.1 Product name: Synple Chem reagent cartridge – Suzuki DPP-Si
1.2 Product code: C001
1.3 Recommended Use: Laboratory chemical consumable
1.4 Company Name: Synple Chem AG,
Kemptpark 18,
8310 Kemptthal
Switzerland

1.5 Contact Details: Telephone: +41 (0)44 244 08 50
8:00 a.m. – 5:00 p.m. CET
email: info@synplechem.com

Section 2 – Hazards Identification

2.1 Classification of the substance or mixture

Labelling according to Regulation (EC) No 1272/2008

Cesium carbonate
Serious eye damage (Category 1), H318
Reproductive toxicity (Category 2), H361f
Specific target organ toxicity - repeated exposure, Oral (Category 2), Kidney, Adrenal gland, H373

Silica DPP-Pd
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Silica
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Celite
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Si-carbonate
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Cesium carbonate

Pictogram

Signal word: Warning

Hazard statement(s)
H318: Causes serious eye damage.
H361f: Suspected of damaging fertility.

Precautionary statement(s)	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P280	Wear protective gloves/ protective clothing/ eye protection/ face
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.protection/ hearing protection.
P308 + P313	IF exposed or concerned: Get medical advice/ attention
Supplemental Hazard Statement(s)	none

2.3 Other hazards

none

Section 3 – Composition / Information on Ingredients

Name:		Cesium carbonate	
Synonyms		Carbonic acid dicesium	
Formula		Cs_2CO_3	
Molecular Weight		325.82 g/mol	
Classification		Eye Dam. 1; Repr. 2; STOT RE 2; H318, H361f	
CAS – No.	EC – No.	Index – No.	Concentration
534-17-8	208-591-9	–	–

Name:		Silica DPP-Pd	
Synonyms		–	
Formula		–	
Molecular Weight		–	
Classification		–	
CAS – No.	EC – No.	Index – No.	Concentration
		–	–

Name:		Silica gel	
Synonyms		Silica	
Formula		SiO_2	
Molecular Weight		–	
Classification		–	
CAS – No.	EC – No.	Index – No.	Concentration
112926-00-8	231-545-4	–	–

Name:		Silica supported carbonate	
Synonyms		–	
Formula		–	
Molecular Weight		–	
Classification		–	
CAS – No.	EC – No.	Index – No.	Concentration

–	–	–	–

Name:		Celite	
Synonyms		–	
Formula		–	
Molecular Weight		–	
Classification		–	
CAS – No.	EC – No.	Index – No.	Concentration
–	–	–	–

Name:		Si-trisamine	
Synonyms		Tris(aminoethyl)amino-propyl-functionalised silica gel	
Formula		–	
Molecular Weight		–	
Classification		–	
CAS – No.	EC – No.	Index – No.	Concentration
–	–	–	–

Section 4 – First Aid Measures

4.1 Inhalation
If inhaled, move affected person to fresh air. If breathing is difficult give oxygen. If breathing has stopped give artificial respiration. Seek medical attention.

4.2 Skin contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

4.3 Eye contact
Wash thoroughly with plenty of water for at least 15 minutes, separating the eyelids with the fingers. If eye irritation persists, seek medical attention.

4.4 Ingestion
Do NOT induce vomiting. Wash mouth with plenty of water if person is conscious. Never give anything by mouth to an unconscious person. Consult a physician.

Section 5 – Fire-Fighting Measure

5.1 Suitable Extinguishing media
Use alcohol – resistant foam or dry chemical extinguishers

5.2 Special hazards arising from the cartridge substances or mixtures
Carbon oxides.
Commbustible.
Silicon oxides.
May release toxic, corrosive and / or flammable / explosive vapors during a fire.

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 – Accidental Release Measures

6.1 Personal precautions
In case of a damaged cartridge or leaking reagent out of the cartridge avoid breathing dust. Ventilate the area thoroughly and shut of sources of ignition. Avoid raising dust. Use protective equipment described in Section 8.

6.2 Environmental precautions
Do net let the materials inside the cartridge enter the drain.

6.3 Methods and materials for containment and cleaning up
Contain spilled cartridge material and pick up without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. For disposal see Section 13.

Section 7– Handling and Storage

7.1 Precautions for safe handling
Do not try to open the reagent cartridge.

7.2 Conditions for safe storage
Keep cartridge in sealed closed bag. Store below 8°C, out of direct sunlight and away from incompatible substances.

7.3 Specific end-usage
Use only in the application the cartridge intended for. Only use with Synple Chem synthesizer devices.

Section 8 – Exposure Controls / Personal Protection

8.1 Personal protective equipment

Respiratory protection
Respiratory protection is not required when materials are contained in the cartridge. When spilled see Section 6.

Hand protection
Handle with gloves. The selected protective gloves have to satisfy the specifications of the EU Directive 89 / 686 / EEC and the standard EN 374 derived from it. Gloves must be inspection prior to use. Use proper glove removal technique (without touching the outer surface of the glove) to avoid skin contact with the product. Dispose of gloves after use in accordance with applicable regulations and good laboratory practice. Wash and dry hands.

Eye protection
Safety glasses with side – shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin and body protection
Choose body protection according with good laboratory practices and to specific workplace.

Hygiene measure
Handle in accordance with good laboratory hygiene and safe practice. Wash hands before breaks and at the end of the workday.

Section 9 – Physical and Chemical Properties

9.1 Appearance

Form:	Plastic Reagent Cartridge Filled with solid reagents / powder
Colour:	White / Brown

9.2 Safety Data

pH	No data available
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Ignition temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Water solubility	Insoluble

Section 10 – Stability and Reactivity

10.1 Chemical Stability
Stable under recommended storage conditions for at least 1 year

10.2 Conditions to avoid
Avoid temperatures above 60°C, long exposure to air and moisture

10.3 Materials to avoid
Strong oxidizing agents or corrosive chemicals

10.4 Hazardous decomposition products
Hazardous decomposition products formed under fire conditions – monomers, carbon dioxide and / or carbon monoxide, nitrogen oxides, boron oxides, borane

Section 11 – Toxicological Information

11.1 Acute Toxicity
No data available

Other components:
No data available

11.2 Skin corrosion / irritation
No data available

11.3 Serious eye damage / eye irritation
No data available

11.4 Respiratory or skin sensation
No data available

11.5 Germ cell mutagenicity
No data available

11.6 Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NPT or EPA classification

11.7 Reproductive toxicity
No data available

11.8 Specific target organ toxicity – single exposure
No data available

11.9 Specific target organ toxicity – repeated exposure
No data available

11.10 Aspiration hazard
No data available

11.11 Additional information

Silica:
RTECS: VV7315000
Amorphous silica is not classifiable as to its carcinogenicity to humans (Group 3); however, crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1, IARC). Therefore, amorphous silica should be handled as if possessing the same hazards as the crystalline form., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 – Ecological Information

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
No data available

12.6 Other adverse effects
No data available

Section 13 – Disposal Considerations

13.1 Product (Reagent cartridge)
Contact a licensed professional waste disposal service to dispose of this material. Combine the cartridge with a combustible solvent and burn in a chemical incinerator quipped with an afterburner and scrubber.

13.2 Contaminated packaging
In case some chemical material will exit the cartridge and contaminate the outer packaging dispose the packaging in the same way as the cartridge.

13.3 Un-Contaminated Packaging
Can be disposed with regular waste

Section 14 – Transport Information

Not classified as dangerous goods by ADR / RID, IMDG, or IATA

Section 15 – Regulatory Information

Not hazardous according to UN GHS, EU Regulation EC 1272 / 2008, or Directive 67 / 548 / EEC. Caution: This substance has not been fully tested (EC).

15.1 Safety, health and environmental regulations/legislation specific for the substrate or mixture
No data available

15.2 Chemical safety assessment
For this product a chemical safety assessment was not carried out.

Section 16 – Other Information

This product must only be handled by, or under close supervision of those qualified in the handling and use of potentially hazardous substances. This Safety Data Sheet is offered without charge to the clients of Synple Chem and it is issued only as a guide for safe handling, use, storage, disposal and release. Information contained on this sheet is the most current available to Synple Chem at the time of preparation but does not purport to be all inclusive or a guarantee as to the properties of the product supplied. Synple Chem makes no warranties or representations as to the accuracy and completeness of the information contained herein. Synple Chem shall not be held responsible for the suitability of this information for the user's intended purposes or the consequence of such use, and shall not be liable for any damage or loss, howsoever arising, direct or otherwise.