



Silica - Collagen peptide powder

SAFETY DATA SHEET

Prepared in accordance with US HazCom 2012 (US GHS)

Date of Preparation: 28.12.2015

Revision No.: 00

Version: EN/01

SECTION 1: Identification of the substance and of the company/undertaking

1.1. Product identifier

Product name: Silica - Collagen peptide powder

1.2. Relevant identified uses of the substance and uses advised against

Relevant identified uses:

Used in food supplements

Uses advised against:

No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer:

Privi Life Sciences Private Limited, Privi House, A-71, TTC, Thane Belapur Road, Near Koparkhairane Railway Station, Navi Mumbai (MS) INDIA- 400 709
Tel : 022 27783040; Fax : 022 27783049

1.4. Emergency telephone number:

Poison Control Centre, United States:

1-800-222-1222

India:

Contact person at Privi Life Sciences Private Limited: Dr Gopal Deore (Scientist- Product Development): +91 8879788918

SECTION 2: Hazards identification

2.1. Classification according to US HazCom 2012 (US GHS)

Not classified

Additional Information:

Not available

2.2. Label elements

Labeling according to US HazCom 2012 (US GHS):

Not Applicable

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PRIVI LIFE SCIENCES PVT. LTD. (formerly known as Privi Pharma Pvt. Ltd.)

H.O. : Privi House, A-71, TTC, Thane Belapur Road, Kopar Khairne, Navi Mumbai - 400 709. Tel.: +91 22 27783040-45 Fax: 2778 3049
Factory : Plot No. 22/1, MIDC, Dhatav, Roha, Raigad - 402 109. Tel.: (02194) 264733/34
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CIN : U24239MH1990PTC057075



2.3. Other hazards

May form combustible dust concentrations in air

SECTION 3: Composition/information on ingredients

3.1. Mixture

Chemical Name	Synonym	CAS#	Typical Weight % content	EC Number	Hazard Classification according to US HazCom 2012
Collagen hydrolysate, sodium salt solution	Bovine Collagen	92113-31-0	58-60	295-635-5	Not Classified
Dimethyl sulfone	Methylsulfonyl methane; MSM	67-71-0	20	200-665-9	Not Classified
Silicic acid	Orthosilicic acid; Tetrahydroxysilane	10193-36-9	3 - 4 (as silicon)	233-477-0	Not Classified
Potassium chloride		7447-40-7	3 - 4(as potassium)	231-211-8	Not Classified

Note: None of the ingredients of the product contribute to the classification of the product under US HazCom 2012 (US GHS)

SECTION 4: First aid measures

4.1. Description of first aid measures

following inhalation:

Get medical advice/attention if you feel unwell or are concerned.

following skin contact:

Rinse/wash with lukewarm, gently flowing water (and mild soap) for 5 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.

following eye contact:

Gently brush product off face. Do not rub eyes. Let the eyes water naturally for a few minutes. Look right and left, then up and down. If particle/dust does not come out, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes or until particle/dust is removed, while holding the eyelids open. If eye irritation persists: Get medical advice/attention. Do not attempt to manually remove anything from the eyes.

following ingestion:

If you feel unwell or If concerned: Get medical advice/attention.

notes for the doctor:

Treat symptomatically

4.2. Most important symptoms and effects, both acute and delayed

May cause skin, eye and respiratory irritation

4.3. Indication of any immediate medical attention and special treatment needed

No special immediate treatment required





SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Water spray, dry chemical, alcohol foam, or carbon dioxide.

5.2. Special hazards arising from the substance

Carbon monoxide, carbon dioxide, Sulphur oxides, Silicon dioxide, Chlorine, Hydrogen chloride gas and oxides of potassium may be formed upon combustion. Fine powdered material may form explosive dust-air mixtures

5.3. Advice for fire-fighters

Avoid dust generation. Wear Self-contained breathing equipment. Individual protective equipment (gloves, boots (chemical resistant) and suitable clothing). Seek emplacement with your back against the wind.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with the eyes, skin and clothing. Do not act without appropriate protective equipment. Avoid dust generation. Do not inhale the particles/dust. Avoid ignition sources where dust might be generated

6.2. Environmental precautions

Contain product mechanically for recovery or disposal. Do not empty into drains or surface water.

6.3. Methods and material for containment and cleaning up

Small spillage: Vacuum or sweep up material and place in a disposal container.

Large spillage: Scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

Please see Section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid spilling, contact with skin and eyes. Do not ingest. Avoid inhalation and spreading of dusts. Do not eat, drink or smoke when handling. Do not mix with incompatible substances (please refer to section 10.5). Wear suitable protective clothing. Ensure emergency procedures are in place to treat spillages.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed and sealed until ready for use. Store in original containers. Store in a cool, dry, well-ventilated area. Store away from incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values:

Substance	Exposure Limit Values
Si	NIOSH REL: TWA 10 mg/m ³ (total) TWA 5 mg/m ³ (resp) OSHA PEL†: TWA 15 mg/m ³ (total) TWA 5 mg/m ³ (resp)
KCl	No specific occupational exposure limits (OELs) for potassium chloride has been located. Norsk Hydro ASA recommend the substance to be treated as "nuisance dust" with an OEL of 10 mg/m ³ , in accordance with the TWA value for "Particulates Not Otherwise Classified" as proposed by ACGIH.



MSM and Bovine Collagen	Not established. It is recommended to use the limit of dust as a reference value 10 mg/m ³ (TWA – 8 hours)
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8.2. Exposure controls

Appropriate engineering controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of dust/material below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Individual protection measures:

Eyel/face protection:

Use tight-fitting goggles, face shield or safety glasses (refer to U.S. OSHA 29 CFR 1910.133) with side shields if eye contact might occur.

Skin/Hand protection:

Avoid skin contact. Use chemically resistant gloves (refer to U.S. OSHA 29 CFR 1910.138), boots, and apron if risk of splashing.

Gloves suitable for permanent contact Material: natural rubber/natural latex, polychloroprene, butyl-rubber, Polyvinylchloride, nitrile rubber/nitrile latex, fluoro carbon rubber.

Minimum Thickness of Gloves material preferred: 0.3 mm

When prolonged or frequently repeated contact may occur, a glove with breakthrough time greater than 240 minutes is recommended.

When only brief contact is expected, a glove with breakthrough time greater than 60 minutes is recommended

Respiratory protection:

No personal respiratory protective equipment normally required. If engineering controls do not maintain airborne concentrations below recommended exposure, an approved, properly fitted respirator (refer to U.S. OSHA 29 CFR 1910.134) should be used

Thermal Hazards:

No information available

Environmental exposure controls:

Do not allow run-off from fire fighting to enter drains or water courses

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Off- white Amorphous Powder
Odour	Characteristic
Odour threshold	No data available
pH (5% dilution)	2.0 – 3.0
Melting Point / Freezing Point	No data available
Boiling Point	Not applicable as the physical state of the product is solid
Flash point	No data available
Evaporation Rate	No data available

Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour Density	No data available
Relative Density (Water = 1) at 25 °C	No data available
Solubility	Soluble in water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive properties	Non-explosive
Oxidising properties	Non-oxidizer

9.2. Other information

Not available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal temperatures and pressures. The product is reactive with the incompatible materials (please refer section 10.5).

10.2. Chemical stability

Stable under normal temperatures and pressures

10.3. Possibility of hazardous reactions

Hazardous polymerization cannot occur.

10.4. Conditions to avoid

Avoid dust generation. Keep sources of ignition at a distance.

10.5. Incompatible materials

Strong Lewis or mineral acids, Oxidizing agents, Strong alkalis

10.6. Hazardous decomposition products

Carbon monoxide, carbon dioxide, Sulphur oxides, Silicon dioxide, Chlorine, Hydrogen chloride gas and oxides of potassium

SECTION 11: Toxicological information

11.1. Information on toxicological effects

The product, as such, has not been tested for toxicological effects. All the data given below pertains to its ingredients based on which toxicological effects of the product have been predicted.



Acute toxicity:

MSM: oral-rat LD50: >2000 mg/Kg
Silicon: oral-rat LD50: 3160 mg/Kg
Potassium Chloride: oral-rat LD50: 3020 mg/Kg
Bovine Collagen: oral-rat LD50: 5000 mg/kg

ATE_{mix} : >3500 mg/kg

Skin corrosion/irritation:

No evidence of irritation / corrosiveness available.

Serious eye damage/irritation:

The product may cause eye irritation.

In an eye irritation study, the primary ocular irritation potential of MSM was tested by instilling single 100 mg doses of MSM into the eye of three (two males and one female) albino New Zealand rabbits. Slight redness of the conjunctivae and very slight chemosis were detected in all rabbits. At 24 hours, only slight conjunctival redness was noted, which persisted in only one rabbit at the 48 hour reading. At 72 hours following MSM instillation, no ocular changes were noted.

(Source of Information:

<http://www.fda.gov/downloads/Food/IngredientsPackagingLabeling/GRAS/NoticeInventory/UCM269126>)

Respiratory or skin sensitization:

No evidence of sensitization available.

Germ cell mutagenicity:

No evidence of mutagenicity available.

Carcinogenicity:

None of the ingredient is listed by NTP, IARC or OSHA as a carcinogen
No evidence of carcinogenicity available

Reproductive toxicity:

No evidence of reproductive toxicity available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration hazard: No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential



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No information available

12.4. Mobility in soil

No information available

12.5. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

The material is not regulated by ADR/RID/IATA/IMDG/US DOT

Regulation	ADR/RID/ADN/ ICAO-TI/IATA/US DOT	IMDG Code
14.1. UN Number	Not Applicable	Not Applicable
14.2. UN proper shipping name	Not Applicable	Not Applicable
14.3. Transport hazard class(es)	Not Applicable	Not Applicable
14.4. Packing group	Not Applicable	Not Applicable
14.5. Environmental hazards	Not Applicable	Not Applicable
14.6. Special precaution for users	Not Applicable	Not Applicable
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	Not Applicable	Not Applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance

Each ingredient of the product is either listed on TSCA inventory or not subject to TSCA.

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet:

- ADR: European Agreement concerning international carriage of Dangerous goods by Road
- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- CAS: Chemical Abstracts Service
- EC: European Community
- IBC code: International Bulk Chemical Code
- IARC: International Agency for Research on Cancer
- ICAO: International Civil Aviation Organization
- IMDG: International Maritime Dangerous Goods
- IATA: International Air Transport Association
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration





RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

Sources of Data/information:

echemportal
Toxnet
ECHA Dissemination Portal
NIOSH Pocket Guide to Chemical Hazards
<http://www.fda.gov/downloads/Food/IngredientsPackagingLabeling/GRAS/NoticeInventory/UCM269126>

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