Distributed exclusively by

IDS Spa - Italy - 17100 Savona
Via Valletta San Cristoforo, 28/10
Tel +39 019 862080 - Fax +39 019 2304865
info@idsdental.it - www.idsdental.it

Material Safety Data Sheet (MSDS)

DENTAL PROPHYLAXIS POWDER

1 *Chemical Product and Company Identification*

1.1 Product Name: Xpower Prophylaxis Powder
1.2 Product Model: SBC65
1.3 Manufacturer: Guilin Refine Medical Instrument Co., Ltd.
1.4 Address: No .8-3, Information Industrial Park , High - Tech Zone , Qixing District , Guilin , Guangxi ,541004, PEOPLE'S REPUBLIC OF CHINA
1.5 Tel: +86-773-7796686

2 Composition/Information on Ingredients

Chemical name	CAS NO	content(%)
Sodium bicarbonate	144-55-8	72-88
Sodium carbonate	497-19-8	10-30
Silicon dioxide	112945-52-5	1.8-7.2

2.1 Chemical Categories: mixture
2.2 Material Status: powder
2.3 Hazardous Composition: None

3 Hazards Summarizing

3.1 Hazard Category: None
3.2 Major Hazard Effect: None
3.3 Invasion Route: Inhalation, ingestion, eyes, skin contact.
Eye: No hazards under normal application conditions.
Skin: No hazards under normal application conditions.
Inhalation: Long-term inhalation can form pneumoconiosis.
Ingestion: If swallowed by mistake, it will irritate the digestive tract. Health hazard: No hazards
under normal application conditions.

3.4 Cardinal Symptom: It is expected that no significant health hazard will be caused under normal use.
3. 5 Explosion hazard: None

4 First-Aid Measures

IDS Spa - Italy - 17100 Savona
Via Valletta San Cristoforo, 28/10
Tel +39 019 862080 - Fax +39 019 2304865
info@idsdental.it - www.idsdental.it

4.1 First aid for different exposure routes

1) Eye Contact: Separate eyelids and rinse immediately with water. If discomfort occurs, seek medical advice.

2) Skin Contact: Remove and rinse immediately with water, If discomfort occurs, seek medical advice.

3) Inhalation: Get to fresh air quickly and keep respiratory tract clear; If breathing is difficult, administer oxygen; If breathing stops, give artificial respiration. If discomfort occurs, seek medical advice.

4) Ingestion: Rinse your mouth with water. If discomfort occurs, seek medical advice.

4.2 Personal protection of first aid personnel who have to enter the workplace where a major leak occurs:

1) Respiratory Protection: use respiratory protection equipment.

2) Eye Protection: use safety glasses protection equipment.

3) Hand Protection: Wear isobutene gloves, rubber gloves, neoprene gloves, etc.

5 Fire-Fighting Measures

5.1 Applicable fire extinguisher:

Fire extinguishing method and extinguishing agent: Use water mist, ethanol foam, dry powder or carbon dioxide to extinguish fire.

Caution: avoid using once-through water to extinguish fires. Once-through water may cause the splash of flammable liquid and spread the fire.

5.2 Special hazards arising from this substance

Carbon oxide.

5.3 Precautions

Wear self-contained breathing apparatus and protective clothing when fighting chemical fires.

6 Accidental Release Measures

6.1 Protective measures, protective equipment and emergency procedures for operators

Avoid dust formation. Avoid inhaling vapor, smoke or gases.

6.2 Environmental precautions

Use sand, soil or other suitable barriers to prevent leakage from spreading or entering sewers, drains or rivers.

6.3 Disposal of Leakage Chemicals

According to local regulations for disposal and destruction.

7 Handling and Storage

7.1 Disposal of leaking chemicals

Provide proper ventilation equipment to avoid eye and skin contact where dust is present. Handle gently to prevent damage to the container.

IDS Spa - Italy - 17100 Savona
Via Valletta San Cristoforo, 28/10
Tel +39 019 862080 - Fax +39 019 2304865
info@idsdental.it - www.idsdental.it

7.2 Conditions for safe storage (including any incompatibilities)

Store in a cool place. Keep the container airtight, store in a dry and ventilated place, away from heat source and fire.

8 Exposure Controls/Personal Protection

8.1 Allowable Concentration

Maximum allowable concentration: N/A

8.2 Engineering Control

Sealing in production process and strengthening ventilation. Ensure vapor concentration in the workshop under the requirements of existing OSHA.

8.3 Personal Protection

1) Eye/face Protection: Use equipment tested and approved by official standards such as NIOSH (USA) or EN 166(eu) for eye protection.

2) Skin Protection: Gloves must be inspected before use. Please remove gloves by appropriate method (do not touch the outer surface of gloves) and avoid any skin contact with this product. After use, please carefully dispose of contaminated gloves in accordance with relevant laws and regulations and effective laboratory procedures. Please wash and blow dry your hands.

3) Physical Protection: Wear General Operational Protective Clothing

4) Respiratory Protection: Generally no special protection is required. If dust damage protection is required, ventilation mask or self-suction filter gas mask can be worn.

8.4 Precautionary Measures

Avoid contact with eyes, do not ingest, take proper precautions.

9 Physical and Chemical Properties

9.1 Appearance

Shape:powder.

Color: white.

9.2 Odor

Odorless

9.3 Melting Point

>300 °C

9.4 Water Solubility

Soluble in water

10 Stability and Reactivity

10.1 Stability: It is stable when stored and used at normal ambient temperature.

10.2 Reactivity: None

10.3 Forbidden compounds: strong oxidant, strong acid, strong base

10.4 Conditions for avoiding contact: electrostatic discharge, heat, humidity, etc.

IDS Spa - Italy - 17100 Savona
Via Valletta San Cristoforo, 28/10
Tel +39 019 862080 - Fax +39 019 2304865
info@idsdental.it - www.idsdental.it

11 Toxicological Information

11.1 Skin Irritation: None
11.2 Chronic Poisoning (rat, 6 months) : no abnormality
11.3 Oral Toxicity Test in Rats
LD_{50}/ml·kg：4220
11.4 Oral Toxicity Test in Mice
LD_{50}/ml·kg：3360
11.5 Carcinogenicity: None.
11.6 Teratogenicity: None.
11.7 Mutagenicity: None.

12 Ecological Information

12.1 Ecotoxicity
No known significant effects or critical hazards.
12.2 Biological degradability
No known significant effects or critical hazards.
12.3 Non-living things degradability
No known significant effects or critical hazards.
12.4 Biology gathering and biology accumulate
No known significant effects or critical hazards.

13 Disposal

All waste must be disposed of in compliance with relevant United Nations, national and local regulations.
Materials that are dumped or discarded may be considered restricted waste under local regulations.
Clean containers containing the material also need to be disposed of. Comply with waste Law. Disposal should comply with the Atmospheric Pollution Act and the Water Pollution Law.

14 Transport Information

14.1 Dangerous Goods (UN)：Not dangerous goods.
14.2 Name of United Nations Transport: N/A
14.3 United Nations hazard classification: N/A
14.4 Packaging category: Not dangerous goods.
14.5 Packing method: Pack according to manufacturer's recommended method.
14.6 Marine pollutant: No
14.7 Notes for transport
1) Transport vehicles shall be equipped with fire fighting equipment of corresponding varieties and quantities and emergency treatment equipment for leakage.

IDS Spa - Italy - 17100 Savona
Via Valletta San Cristoforo, 28/10
Tel +39 019 862080 - Fax +39 019 2304865
info@idsdental.it - www.idsdental.it

2) Do not mix with oxidant and edible chemicals.

3) The exhaust pipes of the vehicles carrying the goods must be equipped with fire retardants.

4) Ground chains should be installed when tank trucks are used for transportation. Hole partitions can be installed in the tank to reduce static electricity generated by vibration.

5) It is forbidden to use mechanical equipment and tools that are easy to produce sparks for loading and unloading.

6) It's best to transport it sooner or later in summer.

7) During transportation, we should prevent sunshine, rain and high temperature.

8) Stay away from fire, heat source and high temperature area during stopover.

9) Highway transportation should follow the prescribed route, and do not stay in residential areas and densely populated areas.

10) Slipping is forbidden in railway transportation.

11) It is strictly forbidden to transport in bulk by wooden or cement vessels.

12) Dangerous signs and announcements shall be posted on the means of transport in accordance with the relevant transport requirements.

15 Regulatory Information

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections
Please note that waste disposal should meet local regulatory requirements.

16 Other Information

16.1 References: According to GB/T 16483-2008, GB/T 17519-2013, GB 30,000-2013 series classification standards.
16.2 Department: Research and Development Center
16.3 Review: Quality department
16.4 Time:July,1st,2024