

Safety Data Sheet

According to ST/SG/AC.10/30/Rev.5 (GHS)

Section 1 - Chemical Product and Company Identification

Chemical product identification

Sample Description: POWDERED GRAPHITE

Recommended Uses: LUBRICANT

Restrictions on use: N/A

Supplier name: Supcon Silicone Chemical Ind (GZ) CO., LTD.

Address: 5/F BaoHui Building, No.88 BaiZuQiao Road, Taihe Town, Baiyun, GuangZhou, China.

Phone number: 0086 20-62213889

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Emergency phone number: 0086 20-62213889

Section 2 - Hazards Identification

Emergency overview: Solid. Do not mix with water. Will sink in the water. Harmful: by inhaling long exposure is in danger of serious damage to health. Are irritating to eyes and respiratory system. Harmful: by inhaling long exposure is in danger of serious damage to health.

Classification according to GHS

Serious eye damage/eye irritation (2A)

Specific target organ toxicity, single exposure; Respiratory tract irritation (3)

Specific target organ toxicity, repeated exposure (2)

Label elements

Hazard pictogram(s):



Signal word:

Warning

Hazard statement(s):

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H373 May cause damage to organs through prolonged or repeated exposure

Precautionary statement(s):

Prevention:

P264 Wash ... thoroughly after handling.

P280 Wear eye protection/face protection.

P261 Avoid breathing dust/fume/gas/mist/ vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor/...if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

Disposal:

P501 Contents/container handling to approved waste treatment plants.

Environmental hazards: no relevant information.

Important symptoms: See Section 11 for more information.

Emergency overview: In case of accident or if you feel unwell, seek medical advice immediately. See Section 4 for more information.

Section 3 - Composition, Information on Ingredients

Chemical characterization: Substances.

Component	CAS No.	EC#	Weight (%)
Graphite	7782-42-5	231-955-3	100

Section 4 - First Aid Measures

Description of first aid measures**After eye contact**

Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

After skin contact

Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

After inhalation

If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.

After swallowing

Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Personal protective equipment for first-aid responders: Not available.

Most important symptoms/effects, acute and delayed: Not available.

Indication of immediate medical attention and special treatment needed: Not available.

Section 5 - Fire Fighting Measures

Suitable extinguishing media:

Use extinguishing agent suitable for local conditions and the surrounding environment . Such as dry powder , CO₂.

Unsuitable extinguishing media: Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

Specific Hazards arising from the chemical: Not available.

Specific protective actions for fire-fighters:

Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

Section 6 - Accidental Release Measures

Personal precautions:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

Protective equipment:

No further relevant information available.

Emergency procedures:

Remove ignition sources, evacuate area. Sweep up using a method that does not generate dust. Collect as much of the spilled material as possible, placed the spilled material into a suitable disposal container. Keep spilled material out of sewers, ditches and bodies of water.

Environmental precautions:

Do not allow material to be released to the environment without proper governmental permits.

Methods and materials for containment and cleaning up:

All waste must refer to the United Nations, the national and local regulations for disposal.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7 - Handling and Storage

Precautions for safe handling:

Storage in a cold, dry, well ventilated environment. Store away from food and water supplies. Wash your hands thoroughly before and after eating and drinking. Storage of chemicals needed to prevent the generation and accumulation of static electricity when handling the container. Stay away from fire, such as strong oxidizing agents.

Information about fire and explosion protection

The product is non-flammable.

Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles

Store in a cool place. Keep container closed, store in a dry and ventilated place.

Information about storage in one common storage facility

Moisture absorption.

Further information about storage conditions

Keep container tightly sealed.

Specific and use

No further relevant information available.

Section 8 - Exposure Controls, Personal Protection

Control parameters

CAS No.	ACGIH	NIOSH	OSHA
7782-42-5	TLV-TWA 2mg/m ³	RELs-TWA 2.5mg/m ³	PELs-TWA 15mppcf

Engineering control :

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Personal Protective Equipment

Respiratory protection: Wear suitable protective mask in order to reduce the respiratory system. A large number of leakage, wear chemical protective clothing, including self-contained breathing apparatus.

Hand Protection: Wear appropriate protective gloves to reduce skin contact.

Eyes Protection: Wear safety goggles or eye protection combined with respiratory protection.

Skin and Body Protection: Working environment required, wear suitable protective clothing to minimize contact with skin. The type of protective equipment must be according to the concentration and the content of certain hazardous substances in the workplace.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Colour:	Black.
Physical State:	Powder.
Odour:	Not available.
Odour threshold:	Not available.
pH:	Not available.
Melting point/freezing point:	3652°C.
Initial boiling point and boiling range:	Not available.
Flash Point:	Not available.
Evaporation rate:	Not available.
Flammability (solid, gas):	Non-flammable.
Explosion Limits (vol% in air):	Not available.
Vapour pressure, kPa at 20°C:	Not available.
Vapor density:	Not available.
Density/Relative density (water = 1):	2.09-2.23.
Solubility(ies):	Hardly soluble in water.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition temperature:	>600°C.
Decomposition temperature:	Not available.

Viscosity:

Not available.

Section 10 - Stability and Reactivity

Chemical Stability: Stable.**Possibility of hazardous reaction:** Data not available.**Conditions to Avoid:** Incompatible materials.**Incompatibilities Materials:** Data not available.**Hazardous Decomposition Products:** Carbon oxide.

Section 11 - Toxicological Information

Acute Toxicity:

CAS No.	LC50/LD50
7782-42-5	Not available.

Skin corrosion/irritation: Not available.**Serious eye damage/irritation:** Not available.**Respiratory or Skin sensitization:** Not available.**Germ Cell mutagenicity:** Not available.**Carcinogenicity:** Not available.**Reproductive toxicity:** Not available.**Specific target organ toxicity-Single exposure:** Not available.**Specific target organ toxicity-Repeated exposure:** Not available.**Aspiration hazard:** Not available.**Information on the likely routes of exposure:** Not available.**Eye:** Not available.**Skin:** Not available.**Ingestion:** Not available.**Inhalation:** Not available.

Section 12 - Ecological Information

Ecological Toxicity: No further relevant information available.**Persistence and degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.

Mobility in Soil: No further relevant information available.

Other adverse effects: No further relevant information available.

Section 13 - Disposal Considerations

Waste treatment methods

Recommendation:

Consult state, local or national regulations to ensure proper disposal.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Section 14 - Transport Information

UN Number	
IATA, IMDG, Model Regulation	N/A
UN Proper shipping name	
IATA, IMDG, Model Regulation	N/A
Transport hazard class(es)	
IATA, IMDG, Model Regulation	N/A
Packing group	
IATA, IMDG, Model Regulation	N/A
Packaging Sign	
IATA, IMDG, Model Regulation	N/A
Environmental hazards	
Marine pollutant:	No

Section 15 - Regulatory Information

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

CAS No.	TSCA	IECSC	DSL / NDSL	EINECS / ELINCS / NLP
7782-42-5	Listed	Listed	Listed DSL	Listed

Section 16 - Additional Information

Issue Time: 2015-03-25

Issue Department: Technical department

Modification record:

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

CAS: (Chemical Abstracts Service);

EC: (European Commission);

ACGIH: (American Conference of Governmental Industrial Hygienists);

NIOSH: (US National Institute for Occupational Safety and Health);

OSHA: (US Occupational Safety and Health);

TLV: (Threshold Limit Value)

TWA: (Time Weighted Average);

STEL: (Short Term Exposure Limit);

PEL: (Permissible Exposure Level);

REL: (Recommended Exposure Limit);

PC-STEL: (Permissible concentration-time weighted average);

PC-TWA: (Permissible concentration-short time exposure limit);

LC50: (Lethal concentration, 50 percent kill);

LD50: (Lethal dose, 50 percent kill);

IARC: (International Agency for Research on Cancer);

EC50: (Median effective concentration);

BCF: (Bioconcentration Factor);

BOD: (Biochemical oxygen demand);

NOEC: (No observed effect concentration);

NTP: (US National Toxicology Program);

RTECS: (Registry of Toxic Effects of Chemical Substances);

IATA: (International Air Transport Association);

IMDG: (International Maritime Dangerous Goods);

TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations);

TOC: (Total Organic Carbon);

TSCA: (Toxic Substances Control Act of USA);

DSL: (the Domestic Substances List of Canada);

NDSL: (the Non-domestic Substances List of Canada)

End of report