

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

Product Identifier

Product Name: POWSIL™-62111

Relevant identified uses of the substance or mixture and uses advised against

Relevant applications identified Suitable for soft finishing of textiles

Details of the supplier of the safety data sheet

Company

Nanjing SiSiB Silicones Co., Ltd.
Guanghua Sci & Tech Industrial Zone,
No. 104, Guanghua Road, Nanjing 210007, P.R.China
Email: SDS@SiSiB.com

Emergency Telephone Number: +86-25-8468-0091

SECTION 2: Hazardous identification

Classification of the substance or mixture

Liquid. Mixes with water.

Classification of hazards

Classification

Skin Corrosion/Irritation Category 3

Acute Aquatic Hazard Category 2

Chronic Aquatic Hazard Category 3

For the full text of the H-Statements mentioned in this Section, see Section 16.

Label elements

Pictogram Not applicable.

Signal word Warning.

Hazard statement(s):

H316 Causes mild skin irritation.

H412 Harmful to aquatic life with long lasting effects.

H401 Toxic to aquatic life.

Precautionary statement(s):

P273 Avoid release to the environment.

Incident response:

P332+P313 If skin irritation occurs: Get medical advice/attention.

Safe storage: Not Applicable.

Waste disposal:

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

Health Hazards Statements:

Inhaled

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as

classified by EC Directives using animal models).

Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Ingestion

Ingestion of the material may be damaging to the health of the individual.

Skin Contact

This material can cause inflammation of the skin on contact in some persons. Open cuts, abraded or irritated skin should not be exposed to this material.

Eye

This material can cause eye irritation and damage in some persons.

Environmental Hazard

See Section 12

Other hazards

Cumulative effects may result following exposure.

SECTION 3: Composition/information on ingredients

Substances

Chemical properties

Mixture

Composition Information

Component	CAS-No	Concentration
Quaternary modified siliocone	519142-86-0	20.0-25.0%
Polysiloxanes, di-Me,3-hydroxypropyl Me, ethoxylatedpropoxylated	68937-55-3	6.0-11.0%
Alkyl alcohol polyethoxylate	68131-39-5	10.0-15.0%
Acetic acid	64-19-7	<1.0%
Water	7732-18-5	Until 100

SECTION 4: First aid measures

Description of first aid measures

In case of eye contact

If this product comes in contact with the eyes: Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay; if pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

In case of skin contact

If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

In case of Inhalation

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

In case of Ingestion

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

Advise for rescue team (PPE requirement for rescue personnel)

Wear portable respiratory protective devices if get into the scene of the accident.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Use water spray or fog, foam, dry chemical powder, BCF (where regulations permit) or carbon dioxide.

Special hazards arising from the substance or mixture

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

Advice for firefighters

Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.

Fire/Explosion Hazard

Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. High temperature decomposition products include silicon dioxide, small amounts of formaldehyde, formic acid, acetic acid and traces of silicon polymers. On combustion, may emit toxic fumes of carbon monoxide (CO). May emit acrid smoke. Mists containing combustible materials may be explosive. Combustion products include: Carbon dioxide (CO₂), Other pyrolysis products typical of burning organic material, May emit corrosive fumes. May emit poisonous fumes. May emit corrosive fumes.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Minor Spills

Clean up all spills immediately. Avoid contact with skin and eyes, by using protective equipment. Collect the leakage, place in a suitable, labelled container for waste disposal.

Major Spills

Alert Fire Brigade and tell them location and nature of hazard. Use protective equipment to avoid contact with skin and eyes. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Collect residues and seal in labelled drums for disposal. If contamination of drains or waterways occurs, advise emergency services. For personal protection see section 8.

Measures for Preventing Secondary Contamination

Refer to section above.

Environmental precautions:

For disposal see section 12.

SECTION 7: Handling and storage

Precautions for safe handling

Safe handling

Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights or ignition sources. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions.

Other information

Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

Conditions for safe storage, including any incompatibilities

Suitable container

Metal can, plastic tank or drum. Packaging as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.

Storage incompatibility

Avoid reaction with oxidising agents.

SECTION 8: Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits (OEL)

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Ingredient data'

Source	China Occupational Exposure. Limits for Hazardous Agents in the Workplace.
Ingredient	Acetic acid.
Material name	Acetic acid.
TWA	10mg/m ³
STEL	20mg/m ³
Peak	Not Available.
Notes	Not Available.

Emergency limits

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
Acetic acid	Acetic acid	Not available	Not available	Not available

Ingredient	Original IDLH	Revised IDLH
Quaternary modified siliocone	Not available	Not available
Polysiloxanes, di-Me,3-hydroxypropyl Me, ethoxylatedpropoxylated	Not available	Not available
Alkyl alcohol polyethoxylate	Not available	Not available
Acetic acid	50mg/kg	Not available

Exposure controls

Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant. Process controls which involve changing the way a job activity or process is done to reduce the risk.

Personal protective equipment

Protective gloves, suits, shoes, and face shields.

Eye/face protection

Safety glasses with side shields. Chemical goggles.

Skin protection

See Hand protection below.

Hands/feet protection

Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber.

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Body protection

See Other protection below.

Other protection

Overalls. P.V.C. apron. Eye wash unit.

Thermal hazards

Not available.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Transparent and bluish
Color	Blue
Odor	Slight odour
Odor Threshold	no data available
pH	4.0-6.0
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point:	no data available
Evaporation rate	no data available
Flammability (solid, gas)	Not applicable.
Upper explosive limit	no data available
Lower explosive limit	no data available
Explosive properties	Not explosive.
Vapour pressure (kPa)	no data available
Vapor density:	no data available
Relative density	no data available
Water solubility:	Miscible.
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Critical temperature	no data available
Critical pressure	no data available
Combustion heat	no data available
Viscosity	<1500
Evaporation rate	no data available
VOC	no data available

SECTION 10: Stability And Reactivity

Reactivity

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See section 7

Chemical stability

Product is considered stable. Hazardous polymerisation will not occur.

Possibility of hazardous reactions

See section 7

Conditions to avoid

See section 7

Incompatible materials

See section 7

Hazardous decomposition products

See section 5

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity

LD50 >5000 mg/kg (rat)

LD50 no data available

LC50 no data available

Skin corrosion/irritation

Skin irritation: Category 3

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Reproductive toxicity

no data available

STOT – single exposure

no data available

STOT - repeated exposure

no data available

Aspiration toxicity

no data available

Carcinogenicity assessment carcinogenicity

no data available

SECTION 12: Ecological Effects

Acute aquatic toxicity LC50

>1 but ≤10 mg/L (OECD 203, 96h, Fish)

Acute aquatic toxicity EC50

>1 but ≤10 mg/L (OECD 202, 48h, Daphnia)

Aquatic toxicity ErC50

>1 but ≤10 mg/L (OECD 201, 72h, Algae)

Aquatic toxicity IC50

>100 mg /L (OECD 209, 3h, Bacteria)

Chronic toxicity to fish

no data available

Chronic toxicity to aquatic invertebrates

no data available

Degradability

no data available

COD

no data available

BOD

no data available

Persistence

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

SECTION 13: Disposal considerations

Waste chemicals

Treatment must be in accordance with applicable Federal, State/Provincial, and Local regulations. Recycle as much as possible, try to avoid and reduce waste. DO NOT discharge the waste into drains.

Contaminated packaging

Packaging may contain residual chemicals, Treatment must be in accordance with applicable Federal, State/Provincial, and Local regulations. Recycle or reuse of cleaned materials should be in accordance with applicable Federal, State/Provincial, and Local regulations

Precautions for Transport

Attentions of operation, treatment and precautions of workers should be referred to the content of section 7 and section 8.

SECTION 14: Transport Information

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Land transport (UN)

Not subject to dangerous goods transport control.

Air transport (ICAO-IATA / DG)

Not subject to dangerous goods transport control.

Sea transport (IMDG-Code /GGVSee)

Not subject to dangerous goods transport control.

Transport patterns

Sea transport、railway transport、road transport.

Cautions during transport

Do not leak, avoid water.

SECTION 15:Regulatory Information

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

no data available

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16:Other Information

Further information

It must be recognized that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.