

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

Product Identifier

Product Name: SiSiB®EF2050
 Chemical Name: POLYDIETHYLSILOXANE
 CAS-No.: 63148-61-8

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

Relevant applications identified For industrial use

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

Classification according to Regulation (EC) No.

1272/2008 [CLP] :

Not classified

Adverse physicochemical, human health and environmental effects :

No additional information available

Label elements

Labelling according to Regulation (EC) No. 1272/2008

[CLP] :

No labelling applicable

Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Substances

Substance type :

Polymer

Name :

POLYDIETHYLSILOXANE

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CAS-No. :

63148-61-8

Name	Product identifier	%	Classification according to Regulation(EC) No. 1272/2008 [CLP]	GHS-US classification
Poly(diethylsiloxane), triethylsiloxy terminated	POLYDIETHYLSILOXANE	95 - 100	Not classified	Not classified

Mixtures

Not applicable

SECTION 4: First aid measures

Description of first aid measures

First-aid measures general :

Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

First-aid measures after inhalation :

Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact :

Wash with plenty of water/ Get medical advice/attention.

First-aid measures after eye contact :

Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention

First-aid measures after ingestion :

Never give anything by mouth to an unconscious person. Get medical advice/attention.

Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation :

No information available

Symptoms/effects after skin contact :

No information available

Symptoms/effects after eye contact :

May cause eye irritation.

Symptoms/effects after ingestion :

No information available

Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media :

Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.

Unsuitable extinguishing media :

None known.

Special hazards arising from the substance or mixture

Fire hazard :

Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

Fire hazard :

Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

Advice for firefighters

Firefighting instructions :

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Protection during firefighting :

Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapour and mist

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment :

Wear protective equipment as described in Section 8.

Emergency procedures :

Evacuate unnecessary personnel.

For emergency responders

Protective equipment :

Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up

For containment :

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it

Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapour and mist.

Spillage of this material may create a slippery condition for foot or vehicle traffic.

Hygiene measures :

Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for safe storage, including any incompatibilities

Storage conditions :

Keep container tightly closed.

Incompatible materials :

Oxidizing agent.

Storage area :

Store in a well-ventilated place. Store away from heat.

Specific end use(s)

No additional information available

SECTION 8: Exposure Controls/Personal Protection

Control parameters

No additional information available

Exposure controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation.

Personal protective equipment:

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:

Neoprene or nitrile rubber gloves

Eye protection:

Safety glasses. Contact lenses should not be worn

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator..

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state :	Liquid
Appearance :	Clear liquid.
Molecular mass :	200 - 2000 g/mol
Colour :	Colorless transparent
Odour :	No data available
Odour threshold :	No data available
Refractive index :	No additional information available
pH :	No data available
Relative evaporation rate (butylacetate=1) :	No data available
Melting point :	No data available
Freezing point :	< -120 °C
Boiling point :	> 250 °C
Flash point :	170 °C
Auto-ignition temperature :	No data available
Decomposition temperature :	No data available
Flammability (solid, gas) :	No data available
Vapour pressure :	< 0.1 mm Hg
Relative vapour density at 20 °C :	No data available
Relative density :	0.96
Solubility :	Insoluble in water.
Log Pow :	No data available
Log Kow :	No data available
Viscosity, kinematic :	5 - 400 cSt
Viscosity, dynamic :	No data available
Print date:	November 28, 2020 Version 1.4
Explosive properties :	No data available
Oxidising properties :	No data available
Explosive limits :	No data available
Other information	

No additional information available

SECTION 10: Stability And Reactivity

Reactivity

No additional information available

Chemical stability

Stable in sealed containers.

Possibility of hazardous reactions

No additional information available

Conditions to avoid

Heat. Open flame. Sparks.

Incompatible materials

Oxidizing agent.

Hazardous decomposition products

Organic acid vapors. Silicon dioxide.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity :

Not classified

Poly(diethylsiloxane), triethylsiloxy terminated

LD50 oral rat:

> 15000 mg/kg

Skin corrosion/irritation :

Not classified

Serious eye damage/irritation :

Not classified

Respiratory or skin sensitisation :

Not classified

Germ cell mutagenicity :

Not classified

Carcinogenicity :

Not classified

This product has no components present at more than 0.1% that are listed as carcinogens or suspected carcinogens by NTP, IARC or OSHA.

Reproductive toxicity :

Not classified

STOT-single exposure :

Not classified

STOT-repeated exposure :

Not classified

Aspiration hazard :

Not classified

Symptoms/effects after inhalation :

No information available.

Symptoms/effects after skin contact :

No information available.

Symptoms/effects after eye contact :

May cause eye irritation.

Symptoms/effects after ingestion :

No information available.

SECTION 12: Ecological Effects

Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

Persistence and degradability

No additional information available

Bioaccumulative potential

No additional information available

Mobility in soil

No additional information available

Results of PBT and vPvB assessment

No additional information available

Other adverse effects

No additional information available

SECTION 13: Disposal considerations

Waste treatment methods

Sewage disposal recommendations :

Do not dispose of waste into sewer.

Product/Packaging disposal recommendations :

Incinerate. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials :

Avoid release to the environment.

SECTION 14: Transport Information

UN number

In accordance with ADR / RID / IMDG / IATA / ADN

UN number

UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

UN-No. (ADN) : Not applicable

UN-No. (RID) : Not applicable

UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

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Proper Shipping Name (RID) :	Not applicable
Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR) :	Not applicable
IMDG	
Transport hazard class(es) (IMDG) :	Not applicable
IATA	
Transport hazard class(es) (IATA) :	Not applicable
ADN	
Transport hazard class(es) (ADN) :	Not applicable
RID	
Transport hazard class(es) (RID) :	Not applicable
Packing group	
Packing group (ADR) :	Not applicable
Packing group (IMDG) :	Not applicable
Packing group (IATA) :	Not applicable
Packing group (ADN) :	Not applicable
Packing group (RID) :	Not applicable
Environmental hazards	
Dangerous for the environment :	No
Marine pollutant :	No
Other information :	No supplementary information available
Special precautions for user	
Overland transport:	No data available
Transport by sea:	No data available
Air transport:	No data available
Inland waterway transport:	No data available
Rail transport:	No data available
Transport in bulk according to Annex II of Marpol and the IBC Code	
Not applicable	

SECTION 15:Regulatory Information

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

EU-Regulations

No REACH Annex XVII restrictions

POLYDIETHYLSILOXANE is not on the REACH Candidate List

POLYDIETHYLSILOXANE is not on the REACH Annex XIV List

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POLYDIETHYLSILOXANE is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

POLYDIETHYLSILOXANE is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29

April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

% Volatiles : < 3 %

National regulations

Poly(diethylsiloxane), triethylsiloxy terminated

EU-Regulations

No additional information available

National regulations

Australia

Listed on the AICS (Australian Inventory of Chemical Substances)

Canada

Listed on the Canadian NDSL (Non-Domestic Substances List)

China

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Germany

12th Ordinance Implementing the Federal Immission

Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Japan

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Korea

Listed on the Korean ECL (Existing Chemicals List)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

Listed on NZIoC (New Zealand Inventory of Chemicals)

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New Zealand

Listed on NZIoC (New Zealand Inventory of Chemicals)

Philippines

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Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting

stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Ontwikkeling : The substance is not listed

US Federal regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Chemical safety assessment

No additional information available

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.