

Version 5.1R

Page 1 / 9

Revision Date 02.12.2019

SECTION 1: Identification of the substance/mixture and of the company**Product Identifier**

Product Name: SiSiB® LR60XX

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****2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

2.2 Label Elements

No labeling according to GHS required.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients**3.1 Substances**

not applicable

3.2 Mixtures**3.2.1 Chemical characteristics**

Polydimethylsiloxane with vinyl groups and auxiliary

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

After contact with the eyes:

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

After contact with the skin:

Wipe off excess material with cloth or paper. Wash with plenty of water or water and soap. In the event of

Version 5.1R

Page 2 / 9

Revision Date 02.12.2019

a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

After inhalation:

Material cannot be inhaled under normal conditions.

After swallowing:

Give several small portions of water to drink. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

Further toxicology information in section 11 must be observed.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media:**

Water mist, extinguishing powder, alcohol-resistant foam, carbon dioxide, sand.

Extinguishing media which must not be used for safety reasons:

Water jet.

5.2 Special hazards arising from the substance or mixture

Risk of hazardous gasses or fumes in the event of fire. Exposure to combustion products may be a health hazard! Hazardous combustion products: carbon oxides, silicon oxides, incompletely burnt hydrocarbons, toxic and very toxic fumes.

5.3 Advice for firefighters

Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air. Keep unprotected persons away.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. If material is released indicate risk of slipping. Do not walk through spilled material.

6.2 Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

6.3 Methods and material for containment and cleaning up

Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

Version 5.1R

Page 3 / 9

Revision Date 02.12.2019

6.4 Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Precautions for safe handling:**

Observe information in section 8.

Precautions against fire and explosion:

Observe the general rules for fire prevention.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels:

Observe local/state/federal regulations.

Advice for storage of incompatible materials:

Observe local/state/federal regulations.

Further information for storage:

Store in a dry and cool place.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure Controls/Personal Protection**8.1 Control parameters****Maximum airborne concentrations at the workplace:**

not applicable

8.2 Exposure controls**8.2.1 Exposure in the work place limited and controlled**

General protection and hygiene measures:

Observe standard industrial hygiene practices for the handling of chemical substances. Do not eat or drink when handling.

Personal protection equipment:**Respiratory protection**

No personal respiratory protective equipment normally required.

Eye protection

Recommendation: protective goggles.

Hand protection

Use of protective gloves is recommended when handling the material.

Recommended glove types: Protective gloves made of nitrile rubber

Version 5.1R	Page 4 / 9	Revision Date 02.12.2019
--------------	------------	--------------------------

thickness of the material: > 0,1 mm

Breakthrough time: > 480 min

Recommended glove types: Protective gloves made of butyl rubber

thickness of the material: > 0,3 mm

Breakthrough time: > 480 min

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

8.2.2 Exposure to the environment limited and controlled

Prevent material from entering surface waters, drains or sewers and soil.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state / form: Liquid (23 °C / 1013 hPa)

Color: clear

Odor: faint

pH-Value: not applicable

Melting point/freezing point

Melting point / melting range: no data available

Initial boiling point and boiling range

Boiling point / boiling range: no data available

Flash point: > 200 °C (ISO 2592)

Upper/lower flammability or explosive limits

Lower explosion limit (LEL): not applicable

Upper explosion limit (UEL): not applicable

Vapor pressure: not applicable

Solubility(ies)

Water solubility / miscibility: insoluble

Vapor density

Relative gas/vapor density: No data known.

Relative Density

Relative Density: 1,08 (23 °C; 1013 hPa) (ISO 1183-1 A)
(Water / 4 °C = 1,00)

Density: 1,08 g/cm³ (ISO 1183-1 A)
(23 °C; 1013 hPa)

Partition coefficient: n-octanol/water: No data known.

Version 5.1R	Page 5 / 9	Revision Date 02.12.2019
--------------	------------	--------------------------

Auto-ignition temperature

Ignition temperature: > 400 °C (EN 14522)

Viscosity

Viscosity (dynamic): 6.5×104mPa.s at 25 °C (DIN 53 019)

9.2 Other information

No data available.

SECTION 10: Stability And Reactivity

10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known. Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

none known

10.5 Incompatible materials

none known

10.6 Hazardous decomposition products

If stored and handled properly: none known. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Assessment:

Based on the available data acute toxic effects are not expected after single oral exposure. Based on the available data acute toxic effects are not expected after single dermal exposure.

Product details:

Route of exposure	Result/Effect	Species/Test system	Source
oral	LD50: > 2000 mg/kg	rat	Conclusion by analogy
dermal	LD50: > 2000 mg/kg	rat	Conclusion by analogy

Acute toxicity estimate (ATE):

ATEmix (oral): > 2000 mg/kg

11.1.2 Skin corrosion/irritation

Product details:

Result/Effect	Species/Test system	Source
not irritating	rabbit	Conclusion by analogy

11.1.3 Serious eye damage / eye irritation

Result/Effect	Species/Test system	Source
not irritating	rabbit	Conclusion by analogy

11.1.4 Respiratory or skin sensitization

Version 5.1R	Page 6 / 9	Revision Date 02.12.2019
--------------	------------	--------------------------

Product details:

Route of exposure	Result/Effect	Species/Test system	Source
dermal	not sensitizing	guinea-pig; Buhler	Conclusion by analogy

11.1.5 Germ cell mutagenicity

Assessment:

Based on known data a significant mutagenic potential may be excluded.

Product details:

Result/Effect	Species/Test system	Source
negative	mutation assay (in vitro) bacterial cells	Conclusion by analogy OECD 471

11.1.6 Carcinogenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.7 Reproductive toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Specific target organ toxicity (single exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity (repeated exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Aspiration hazard

Assessment:

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

SECTION 12: Ecological Effects

12.1 Toxicity

Assessment:

Assessment based on ecotoxicological tests with similar products under consideration of the physical-chemical properties: For this product no effects on aquatic organisms, relevant for classification, are expected. According to current knowledge adverse effects on water purification plants are not expected.

12.2 Persistence and degradability

Assessment:

Silicone content: biologically not degradable. Separation by sedimentation.

12.3 Bioaccumulative potential

Assessment:

Polymer component: No adverse effects expected.

12.4 Mobility in soil

Version 5.1R

Page 7 / 9

Revision Date 02.12.2019

Assessment:

Insoluble in water. No adverse effects expected.

12.5 Other adverse effects

none known

12.6 Additional information

Easily separable from water by filtration.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****13.1.1 Material**

Recommendation:

Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

13.1.2 Uncleaned packaging

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

SECTION 14: Transport Information**ADR**

Not regulated.

ADN

Not regulated.

RID

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

Special precautions for user:

Relevant information in other sections has to be considered.

Transport in bulk according to Annex II of MARPOL and the IBC Code:

Bulk transport in tankers is not intended.

SECTION 15: Regulatory Information

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

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

15.2 Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

South Korea (Republic of Korea):

ECL (Existing Chemicals List): This product is listed in, or complies with, the substance inventory.

Japan:

ENCS (Handbook of Existing and New Chemical Substances): This product is listed in, or complies with, the substance inventory.

Australia:

AICS (Australian Inventory of Chemical Substances): This product is listed in, or complies with, the substance inventory.

People's Republic of China:

IECSC (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with, the substance inventory.

Canada:

DSL (Domestic Substance List): This product is listed in, or complies with, the substance inventory.

Philippines:

PICCS (Philippine Inventory of Chemicals and Chemical Substances): This product is listed in, or complies with, the substance inventory.

United States of America (USA):

TSCA (Toxic Substance Control Act Chemical Substance Inventory): This product is listed in, or complies with, the substance inventory.

Taiwan (Republic of China):

TCSI (Taiwan Chemical Substance Inventory): This product is listed in, or complies with, the substance inventory.

General note: Taiwan REACH requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.

European Economic Area (EEA):

REACH (Regulation (EC) No 1907/2006): General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.

SECTION 16: Other Information

Version 5.1R	Page 9 / 9	Revision Date 02.12.2019
--------------	------------	--------------------------

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.