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

Product Name: SiSiB® WR0772

Chemical Name: Water-dilutable sodium methyl silicate solution

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****POTENTIALHEALTH EFFECTS****Acute Effects**

Eye: May cause irreversible damage and burns to the eyes.

Skin: Corrosive. Burns skin upon short periods of contact.

Inhalation: Mist irritating to the respiratory tract.

Oral: Corrosive. May cause severe and permanent damage to the mouth, throat and stomach.

Prolonged/Repeated Exposure Effects

Skin: No known applicable information.

Inhalation: No known applicable information.

Oral: No known applicable information

Signs and Symptoms of Overexposure

No known applicable information.

Medical Conditions Aggravated by Exposure

No known applicable information

SECTION 3: Composition/information on ingredients

Component Name	CAS NO.	CONCENTRATION
Sodium methylsilicate	16589-43-1	40.0 - 60.0

SECTION 4: First aid measures

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Eye:	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 30 minutes while holding the eyelid(s) open. If contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Neutral saline solution may be used as soon as available. Do not interrupt flushing. If necessary, continue flushing during transport to emergency care facility. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.
Skin:	As quickly as possible remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately flush with lukewarm gently flowing water for 15 minutes. Completely decontaminate clothing, shoes and leather goods before reuse or discard. Immediately obtain medical attention.
Inhalation:	Remove from the source of contamination or move to fresh air. If breathing is difficult, trained personnel should administer emergency oxygen. Immediately obtain medical attention.
Oral:	Never give anything by mouth if victim is rapidly losing consciousness or convulsing. Have victim rinse mouth thoroughly with water DO NOT INDUCE VOMITING. Have victim drink 2 to 8 oz. (60 to 240 mL) of water. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim rinse mouth with water again. Immediately obtain medical attention
Notes to Physician:	Treat according to person's condition and specifics of exposure.

SECTION 5: Firefighting measures

Flashpoint	> 212 °F / > 100 °C (Closed Cup)
Autoignition temperature	Not determined.
Flammability limits in air	Not determined.
Extinguishing media	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO ₂), dry chemical or water spray. Water can be used to cool fire exposed containers.
Fire Fighting Measures	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
Unusual fire hazards	None

SECTION 6: Accidental release measures**Containment/Clean up:**

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See Section 8 for Personal Protective Equipment for Spills.

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

Use with adequate ventilation. Do not take internally. Do not get in eyes. Do not get on skin. Do not breathe mist.

Advice on protection against fire and explosion

Normal measures of preventive fire protection

Storage

Keep container closed. Do not store with acids.

SECTION 8: Exposure Controls/Personal Protection**Component Exposure Limits**

There are no components with workplace exposure limits.

Engineering Controls

Local Ventilation: Recommended. General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling**Eyes:**

Use proper protection - safety glasses as a minimum. Skin: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact. Suitable Gloves: Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove

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and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

Inhalation:

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls. Suitable Respirator: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

Personal Protective Equipment for Spills Eyes:

Use full face respirator.

Skin:

Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact. Inhalation/Suitable Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR Respirator: 1910.134) and use NIOSH/MHSA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Precautionary Measures:

Do not take internally. Do not get in eyes. Do not get on skin. Do not breathe mist. Keep container closed. Use reasonable care.

Note:

These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

SECTION 9: Physical and Chemical Properties**Information on basic physical and chemical properties**

Physical Form:	Liquid Color:
Colorless Odor:	Not available
Specific Gravity @ 25°C:	1.29
Viscosity:	10cSt
Freezing/Melting Point:	Not determined.
Boiling Point:	> 64 °C
Vapor Pressure @ 25°C:	Not determined.
Vapor Density:	Not determined.
Solubility in Water:	Not determined.
PH:	13.0
Volatile Content:	58.0 %

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Flash Point: > 212 °F / > 100 °C (Closed Cup)

Autoignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

Note: The above information is not intended for use in preparing product specifications.

SECTION 10: Stability And Reactivity

Chemical Stability: Stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: None.

Materials to Avoid: Avoid contact with acids. Oxidizing material can cause a reaction.

Hazardous Decomposition Products Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds.

Metal oxides. Silicon dioxide. Formaldehyde..

SECTION 11: Toxicological Information**Special Hazard Information on Components**

No known applicable information.

SECTION 12: Ecological Effects**Environmental Fate and Distribution**

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	>1 and <=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <= 2000	>2000

This table is adapted from "Environmental Toxicology and RiskAssessment", ASTM STP1179, p.34, 1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above.

Please read the other information presented in the section concerning the overall ecological safety of this material.

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SECTION 13: Disposal considerations

RCRA Hazard Class (40 CFR 261) When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes Characteristic Waste: Corrosive: D002 State or local laws may impose additional regulatory requirements regarding disposal.

SECTION 14: Transport Information**UN number**

ADR/RID: 1719

IMDG: 1719

IATA: 1719

UN proper shipping name

ADR/RID: Sodium methylsiliconate, Caustic alkali liquids, n.o.s.

IMDG: Sodium methylsiliconate, Caustic alkali liquids, n.o.s.

IATA: Sodium methylsiliconate, Caustic alkali liquids, n.o.s.

Transport hazard class(es)

ADR/RID: 8

IMDG: 8

IATA: 8

Packaging group

ADR/RID: II

IMDG: II

IATA: II

Environmental hazards

ADR/RID: corrosive

IMDG Marine Pollutant: corrosive

IATA: corrosive

Special precautions for user

no data available

SECTION 15: Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

Chemical Safety Assessment

no data 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.