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

Product Name: ADDSiL™ 8450  
Chemical Name: Polyether-modified polysiloxane

**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****Physical Appearance**

Form: Liquid  
Color: Yellow, clear  
Odor: Slight, typical  
Water solubility: Soluble  
pH: 4.8

**Potential health effects**

Eyes: May produce oil film causing brief reversible dimness of sight.  
Skin: No harmful effects have been reported upon contact with skin.  
Ingestion: No harmful effects known.  
Inhalation: No harmful effects have been reported upon inhalation.  
Primary routes of entry: Eyes  
Target organs: Eyes  
Carcinogenicity: Not listed by NTP, IARC, ACGIH, or OSHA as a carcinogen.

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

Component	Concentration
<b>Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, ethers with polyethylenepolypropylene glycol mono-Me ether</b>	
CAS-No. 157479-55-5	84
<b>Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-octamethyl-</b>	
CAS-No. 556-67-2	< 1
<b>Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-</b>	

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CAS-No.	541-02-6	< 1
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**SECTION 4: First aid measures**

Eyes:	Flush eye(s) for 15 minutes or more; if irritation persists, consult a physician (preferably an eye specialist) and show SDS.
Skin:	Immediately and thoroughly, wash off with soap and water.
Ingestion:	If swallowed, seek medical attention and show MSDS.
Inhalation:	Remove individual from site of exposure to fresh air.
General advice:	Remove soiled or soaked clothing immediately

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

foam, carbon dioxide, dry powder, water spray.

**Unsuitable extinguishing media**

Full water jet

**Products in case of fire**

carbon dioxide, carbon monoxide, Silicon dioxide

**Hazardous decomposition products**

None with proper storage and handling.

**Special protective equipment for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**OSHA flammable class**

Combustible Liquid, Class IIIA

**SECTION 6: Accidental release measures****Methods for cleaning up / taking up**

Small spills:

Use personal protective equipment. Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. Take up with absorbent material (e.g. sand, kieselguhr, universal binder).

**Release Notes:**

US regulations require reporting spills of this material that could reach any surface waters

**SECTION 7: Handling and storage**

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**General Procedures Handling**

Advice on safe handling:

No special measures necessary if used correctly.

Advice on protection against fire and explosion:

No special measures required.

**SECTION 8: Exposure Controls/Personal Protection****Personal protective equipment**

Hygiene measures:

No smoking, eating or drinking allowed when using this product.

Wash hands before breaks and at end of work shift.

Respiratory protection:

Respiratory protection is not required.

Hand protection:

PVC gloves

Eye protection:

Use chemical resistant goggles.

Protective clothing:

light protective clothing

Engineering controls:

Good general (mechanical) ventilation should be sufficient to control airborne levels.

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

Form

liquid

Color

yellow, clear

Odor

slight, typical

State of aggregation

liquid

Melting temperature

not measured

Boiling point

&gt; 150°C

Vapor pressure

not measured

Density:

1.01 - 1.04 g/cm<sup>3</sup> at 77.00 °F

Method: DIN 51757

Weight per volume:

8.41 Lb/Gal

Water solubility:

soluble

pH:

4.8 at 40g/l water at 20°C

Viscosity, dynamic:

150 - 400 mPa.s at 25°C

Method: DIN 53019

Flash point:

194 °F

Specific gravity

1.02-1.04g/cm<sup>3</sup>

Auto-ignition temperature:

not measured

Upper Explosion limits:

not measured

Lower explosion limit:

not measured

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Volatile organic compound: 20.6 g/l  
0.17 Lb/Gal  
percentage volatile: 2.1%  
percent non-volatile: 97.9%  
The Volatile Volume is measured in percent volume by weight.

**SECTION 10: Stability And Reactivity**

Conditions to avoid: None with proper storing and handling.  
Thermal decomposition: Not measured  
Hazardous reactions: No hazardous reactions with proper storage and handling.  
Hazardous polymerization: No  
Stability: Yes  
Hazardous decomposition products: None with proper storage and handling.

**SECTION 11: Toxicological Information**

Proper use provided no adverse health effects have been observed or have been come to our knowledge.  
Eye contact may produce an oil film over the eye-ball causing a harmless reversible short lasting dimness of sight.

**SECTION 12: Ecological Effects**

Ecological notes:  
Do not allow to enter soil, waterways or waste water canal.

**SECTION 13: Disposal considerations**

Dispose of in accordance with local, state, and federal regulations.

**Product disposal and disposal requirements:**

In accordance with local authority regulations, take to special waste incineration plant

**Contaminated packaging:**

If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

**SECTION 14: Transport Information****Sea transport****IMDG:**

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Not regulated

**Air transport**

**ICAO/IATA:**

Not regulated

**DOT (Department of Transportation)**

**CFR Road:**

Not regulated < 119 gallons

**CFR Rail:**

Not regulated < 119 gallons

**CANADA Transport of Dangerous goods**

**TDG Road:**

Not regulated

**TDG Rail:**

Not regulated

### SECTION 15:Regulatory Information

**United States**

SARA Section 311/312:

Fire: Yes  
 Pressure generating: No  
 Reactivity: No  
 Acute: No  
 Chronic: No

SARA Sections:

SECTION 313

Notification: No

This product contains no SARA Title III, Section 313 listed chemicals.

Notification Status:

TSCA

Notification: Yes

All intentional ingredients are listed in the TSCA Inventory or comply with TSCA Polymer Exemption criteria per 40 CFR723.

California Proposition 65 Statement:

Notification: No

This product does not contain any substance(s) which are defined by the state of California to cause cancer, birth defects, or other reproductive effects.

**Canada:**

**WHMIS CLASSIFICATION**

Class B, Division 3, Combustible Liquid

This product does not contain component(s) on the WHMIS Ingredient Disclosure List.

Notification Status:

Canadian Environmental Protection Act

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DSL

Notification: Yes

All intentional ingredients are listed on the DSL (Domestic Substance List) or have been notified pursuant to the NSN regulations.

### 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.