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

Product Name: ADDSiL™ 12609

**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**

The product has not been classified as hazardous according to the legislation in force.

**Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

**Supplemental label information**

EUH210 Safety data sheet available on request.

**Additional information**

No data available.

**Other hazards**

No data available.

**SECTION 3: Composition/information on ingredients****Chemical nature** Copolymer**Mixtures**

General information This product is a mixture.

Component	CAS No.	Concentration
Polypropanediol monobutyl ether	9003-13-8	>= 80.0 - <= 100.0%

All concentrations are percent by weight unless ingredient is gas.

Gas concentrations are in percent by volume.

**SECTION 4: First aid measures****General advice**

Get medical attention if symptoms occur.

**If inhaled**

Move into fresh air and keep at rest. Get medical attention if symptoms occur.

**In case of eye contact**

Get medical attention if symptoms occur. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

**In case of skin contact**

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

**If swallowed**

Do not induce vomiting. Get medical attention immediately. Do not give victim anything to drink if he is unconscious. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Most important symptoms and effects, both acute and delayed**

None known.

**Indication of any immediate medical attention and special treatment needed****Hazards**

No information about adverse effects due to exposure.

**Treatment**

If swallowed, do not induce vomiting. Give a glass of water.

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

Use dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray (fog).

**Unsuitable extinguishing**

Unknown.

**Media****Hazardous combustion products**

Burning can produce the following combustion products such as Oxides of carbon, Oxides of silicone. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can be asphyxiant.

**Special fire fighting procedures**

Do not introduce solid water or foam into a hot burning pool which may cause foaming and increase the intensity of the fire.

**Special protective equipment for fire-fighters**

Self-contained breathing apparatus with full face mask and full protective clothing.

**Extinguishing media**

All standard extinguishing agents are suitable.

Large fire	alcohol-type foam or universal-type foams
Small fire	CO <sub>2</sub> or dry chemical

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

Avoid contact with eyes, skin. Avoid contact with liquid and vapors. Use personal protective equipment. Use only in well-ventilated areas.

**Environmental precautions**

Prevent runoff.

**Methods and materials for containment and clean up****Small spill**

If there is no risk, stop the leakage. Move containers from spill area. Dilute the product with water and mop up if water-soluble. Alternatively, if water insoluble, absorb the product with an inert dry material and place it in an appropriate waste disposal container.

Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

**Large spill**

If there is no risk, stop the leakage. Move containers from spill area. Approach release from upwind. Prevent entering into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13 of SDS). Disposed by licensed waste disposal contractors. Contaminated absorbent material may pose the same hazard as the spilled product.

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

Put on appropriate personal protective equipment. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not ingest. Avoid contacting with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.

**Advice on general occupational hygiene**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. (see section 8 for additional information on hygiene measures).

**Conditions for safe storage, including any incompatibilities**

Storage should according to local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Storage should be locked up. Keep container closed and sealed tightly until ready for use.

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Containers that have been opened must be carefully resealed and be kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**SECTION 8: Exposure Controls/Personal Protection****Control parameters**

**Occupational exposure limits** None.

**Recommended monitoring procedures** None

**Appropriate Engineering Controls**

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep workers exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure**

Emissions from ventilation or work process equipment should be checked to ensure that they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures****Hygiene measures**

Before eating, smoking and using the lavatory and at the end of the working period, workers should wash hands, forearms and face thoroughly after handling chemical products. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

**Skin protection Hand Protection**

If a risk assessment indicates it is necessary, chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products. Considering the parameters specified by the glove manufacturer, check the gloves are still retaining their protective properties during use. It should be noted that the time to wear time for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection**

Personal protective equipment for the body should be selected based on the performing task and involving risks, the protective equipment should be approved by a specialist before handling this product.

**Other**

Appropriate footwear and any additional skin protection measures should be selected based on the performing task and involving risks, and all the protection measures should be approved by a specialist before handling this product.

**Respiratory Protection**

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Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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

Physical state:	Liquid
Color:	Colorless/Yellow
Odor:	Polyether
Odor threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Upper/lower flammability:	No data available
Explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	Heavier than air
Relative density:	No data available
Density:	0.96~1.00 g/cm <sup>3</sup> (25°C)
Solubility in water:	Insoluble in water, Soluble in polyols
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	30~70 cSt (25°C)
Explosive properties:	No data available
Oxidizing properties:	No classified as oxidizing

**SECTION 10: Stability And Reactivity****Reactivity**

Stable under normal conditions.

**Chemical stability**

The product is stable.

**Possibility of hazardous reactions**

Under normal conditions, hazardous reactions will not occur.

**Conditions to avoid**

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No specific data.

**Incompatible materials**

No specific data.

**Hazardous decomposition products**

Under normal conditions, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological Information****Acute toxicity****Oral**

Very low toxicity if swallowed. Harmful effects are not anticipated from swallowing small amounts.

Product Single dose oral LD50 has not been determined.

**Dermal**

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Product Single dose oral LD50 has not been determined.

**Inhalation**

At room temperature, exposure to vapor is minimal due to low volatility; single exposure is not likely to be hazardous.

Product Single dose oral LD50 has not been determined.

**Skin corrosion/irritation**

Brief contact may cause slight skin irritation with local redness.

**Serious Eye Damage/Eye**

May cause slight temporary eye irritation; corneal injury is unlikely.

**Sensitization**

For skin sensitization Contains component(s) which did not cause allergic skin sensitization in guinea pigs.

For respiratory sensitization No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

No relevant data found.

**Carcinogenicity**

No relevant data found.

**Teratogenicity**

Contains component which was not cause birth defects or any other fetal effects in lab animals.

**Reproductive toxicity**

Contains component which was interfered with fertility in animal studies. In animal studies on component(s), effects on reproduction were seen only at doses that produced significant toxicity to the parent animals.

**Mutagenicity**

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Contains component which was negative in in vitro genetic toxicity studies.

Contains component(s) which were negative in animal genetic toxicity studies.

**Aspiration Hazard**

Based on physical properties, not likely to be an aspiration hazard.

## SECTION 12: Ecological Effects

**Toxicity**

**Polypropanediol monobutyl ether**

**Acute toxicity**

**Fish**

Substances have mild acute toxicity to aquatic organisms.

LC50/EC50 of the most sensitive species tested is between 10 and 100 mg/L

LC50, Pimephales promelas, 96 H, 20-65 mg/l

**Aquatic invertebrates**

EC50, Daphnia magna 48 h, 26 mg/l

**Algae/aquatic plants**

EC50, > 100 mg/l

**Chronic toxicity to fish**

IC50, Bacteria, 16h, 19,000 mg/l

**Persistence and degradability**

**Polypropanediol monobutyl ether**

**Biodegradation**

According to strict OECD test regulations, this substance is not considered as easy to biodegrade, but these results do not necessarily indicate that the substance is not biodegradable under environmental conditions.

10-Day test failed

**Biodegradation** 25 %

**Exposure time** 28 days

**Method** OECD Test Guideline 310

**Chemical oxygen demand** 2.04 mg/mg

**Biological ODS (BOD)**

Cultivation time Biochemical oxygen demand

5 days 5%

10 days 5%

20 days 15%

**Bioaccumulative potential**

**Polypropanediol monobutyl ether**

**Bioaccumulation**

Since the molecular weight is relatively high (MW is greater than 1000), there will be no bioaccumulation.

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**Mobility in soil**

No data available.

**SECTION 13: Disposal considerations****Waste treatment methods****Product****Disposal methods**

The generation of waste should be avoided or be minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements at all times. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Packaging****Disposal methods**

The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions**

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14: Transport Information**

ADR: Not regulated.

AND: Not regulated.

RID: Not regulated.

IMDG: Not regulated.

IATA: Not regulated.

**Special precautions for user**

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Keep away from foodstuffs and animal feed.

**SECTION 15: Regulatory Information****EU Regulation (EC) No. 1907/2006 (REACH)****Annex XIV - List of substances subject to authorization****Substances of very high concern**

Carcinogen Not listed

Mutagen Not listed



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Toxic to reproduction	Not listed
PBT	Not listed
vPvB	Not listed
<b>Other EU regulations</b>	
<b>REACH Status</b>	The substance(s) in this product has (have) been Pre-Registered and/or Registered, or are exempted from registration, according to Regulation (EC) No. 1907/2006 (REACH).
<b>Aerosol dispensers</b>	Not applicable.
<b>National regulations</b>	
<b>International regulations list</b>	Australia inventory (AICS) All components are listed or exempted. Japan inventory All components are listed or exempted. Updated KN 061027. China inventory (IECSC) All components are listed or exempted. Korea inventory All components are listed or exempted. Canada inventory All components are listed or exempted. New Zealand Inventory (NZIoC) All components are listed or exempted. Philippines inventory (PICCS) All components are listed or exempted. United States inventory (TSCA 8b) All components are listed or exempted. Taiwan, China inventory (CSNN) All components are listed or exempted.
<b>Chemical Weapons Convention List Schedule I Chemicals</b>	Not listed
<b>Chemical Weapons Convention List Schedule II Chemicals</b>	Not listed
<b>Chemical Weapons Convention Chemical Safety Assessment</b>	Not listed
<b>Chemical Safety Assessment</b>	This product contains substances for which Chemical Safety Assessments are still required.

## 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.