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

Product Identifier

Product Name: SiSiB® AP1160

Chemical Name: Aminofunctional polysiloxane Aqueous preparation

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

GHS-Labelling Regulation (EC) No. 1272/2008:

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

Labelling according to EC Directives

Further Information

The product does not need to be labelled in accordance with EC directives or respective national laws.

SECTION 3: Composition/information on ingredients

Chemical nature: Aminofunctional polysiloxane Aqueous preparation

Other information

Polymers are exempt from REACH registration.

SECTION 4: First aid measures

Description of first aid measures

If inhaled

Move the exposed person to fresh air at once.

In case of skin contact

Wash area with soap and water.

In case of eye contact

Get medical attention.

If swallowed

Do NOT induce vomiting. If conscious, drink plenty of water.

Get medical attention if `symptoms persist.

Indication of any immediate medical attention and special treatment needed

After absorbing large amounts of substance:

administration of activated charcoal.

Acceleration of gastrointestinal passage

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

water spray

foam

Carbon dioxide (CO2)

dry powder

Special protective equipment for fire-fighters

Standard procedure for chemical fires.

Further Information

Water used to extinguish fire should not enter drainage systems, soil or stretches of water.

Ensure there are sufficient retaining facilities for water used to extinguish fire.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

In case of fire: wear a self-contained respiratory apparatus

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective equipment.

Methods for cleaning up

Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

Prevention of secondary hazards

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Transfer into suitable containers.

To be disposed of in compliance with existing regulations.

Suitable binder: sand (for damming up), sawdust, universal absorbent

SECTION 7: Handling and storage

Handling

Precautions for safe handling

Do not breathe vapor/spray. Avoid contact with eyes, skin, and clothing. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

Storage

Requirements for storage areas and containers

Take precautionary measures against static discharges.

Keep away from sources of ignition - No smoking.

Keep container tightly closed.

Keep in a cool place.

Further information on storage conditions

No further information available

SECTION 8: Exposure Controls/Personal Protection

Control parameters

No substance-specific limiting value being known.

Exposure controls

Provide adequate ventilation.

Engineering measures

Provide adequate ventilation.

Personal protective equipment

Respiratory protection

In case of dusts/vapors/aerosols being formed or if the limit values like TLV are exceeded: use respiratory equipment with suitable filter (filter type ABEK) or wear a self-contained respiratory apparatus Use only respiratory protection equipment with CE-symbol including four digit test number. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used. Note time limit for wearing respiratory protective equipment.

Hand protection

Glove material for example, butyl-rubber

Material thickness 0,5 mm

Break through time >= 480 min

Glove material for example, Fluorinated rubber (Viton)

Material thickness 0,4 mm

Break through time >= 480 min

Selection of protective gloves to meet the requirements of specific workplaces. Suitability for specific workplaces should be clarified with protective glove manufacturers. The information is based on our own tests, references from the literature and information from glove manufacturers, or derived by analogy with similar materials. Please observe that the daily duration of usage of a chemical protective glove is in

practice far shorter due to the many influencing factors (e.g. temperature, mechanical strain on the glove material) than the permeation time determined acc. EN 374.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166

Skin protection

Safety shoes

Long sleeves

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures

Wash hands after handling. When using do not eat, drink or smoke.

Handle in accordance with good industrial hygiene and safety practice.

The personal protective equipment used must meet the requirements of directive 89/686/EEC and amendments (CE certification).

If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. Do not breathe in vapors or aerosols. Avoid contact with skin and eyes.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	liquid
Color	colorless to yellowish
Odor	amine like
pH	11
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	ca. 80 °C (Pensky-Martens, Closed Cup)
Evaporation rate	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Vapor pressure	< 1Pa at 20 °C
Density	1,06 g/cm3 at 20 °C
Water solubility	miscible
Partition coefficient: n-octanol/water	log Pow: ca. -0,5
Method:	calculated
Thermal decomposition	not determined

Viscosity, dynamic	ca. 3,7 mPa.s
Other information	
Ignition temperature	> 650 °C

SECTION 10: Stability And Reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Possibility of hazardous reactions

Exothermic reaction with: acids

Conditions to avoid

Protect from frost. Keep away from heat.

Materials to Avoid

Acids

Hazardous decomposition products

not known

SECTION 11:Toxicological Information

Information on toxicological effects

Acute oral toxicity

LD50 Rat

Dose: > 2.000 mg/kg

Acute inhalation toxicity

No data available

Acute dermal toxicity

No data available

Skin irritation

Rabbit

Result: No skin irritation

Eye irritation

Rabbit Result: No eye irritation

Sensitization

No data available

Assessment of STOT single exposure

No data available

Assessment of STOT repeat exposure

No data available

Risk of aspiration toxicity

No evidence of aspiration toxicity

Gentoxicity in vitro

No data available

Carcinogenicity

No data available

Toxicity to reproduction

No data available

SECTION 12: Ecological Effects

Toxicity

No ecotoxicological studies are available on the mixture.

Toxicity to fish

LC0 Brachydanio rerio (zebrafish): > 934 mg/l / 96 h

Test substance: Structurally similar substance

Method: OECD TG 203

Toxicity in aquatic invertebrates

EC50 Daphnia magna (Water flea): 331 mg/l / 48 h

Test substance: Structurally similar substance

Method: OECD TG 202

Toxicity to algae

EC50 Desmodesmus subspicatus (green algae): > 1000 mg/l / 72 h

Test substance: Structurally similar substance

Method: OECD TG 201

NOEC Desmodesmus subspicatus (green algae): 1,3 mg/l / 72 h

Test substance: Structurally similar substance

Method: OECD TG 201

Toxicity to bacteria

EC 10 Pseudomonas putida: 13 mg/l / 5,75 h

Test substance: Structurally similar substance

Method: Bringmann und Kühn, Z. Wasser Abwasser Forsch. 10, 87-98 (1977)

Persistence and degradability

Biodegradability

Exposure time: 28 d

Result: 8 % Not readily biodegradable.

Method: OECD TG 301 A

Bioaccumulative potential

Bioaccumulation: No data available

Mobility in soil

Mobility: No data available

Results of PBT and vPvB assessment

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

Other adverse effects

The data we have at our disposal do not necessitate identification concerning environmental hazard.

SECTION 13:Disposal considerations

Product

With respect to local regulations, e.g. dispose of to suitable waste incineration plant.

Contaminated packaging

Packaging, that can not be reused after cleaning must be disposed or recycled in accordance with all federal, national and local regulations.

Incorrect disposal or reuse of this container is illegal and can be dangerous.

Other countries: observe the national regulations.

Waste Key Number

No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer.

The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

SECTION 14:Transport Information

Transport/further information

Not dangerous according to transport regulations.

SECTION 15:Regulatory Information

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

National legislation

Chemical safety assessment

No chemical safety assessment is required for this product.

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.