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

Product Identifier

Product Name: SiSiB® PB2019
Chemical Name: N-(pentan-2-ylidene)hydroxylamine
CAS-No.: 623-40-5

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

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, oral (Category 4), H302
Acute toxicity, dermal (Category 4), H312
Serious eye damage/eye irritation (Category 1), H318
Acute toxicity, inhalation (Category 4), H332
Carcinogenicity (Category 2), H351
Sensitization, Skin (Category 1), H317
Flammable liquids (Category 4), H227
For the full text of the H-Statements mentioned in this Section, see Section 16.

Label elements

Labelling according Regulation (EC) No 1272/2008



Pictogram

Signal word

Danger

Hazard statement(s)

H302	Harmful if swallowed
H312	Harmful in contact with skin
H318	Causes serious eye damage
H332	Harmful if inhaled
H351	Suspected of causing cancer
H317	May cause an allergic skin reaction

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H227	Combustible liquid
Precautionary statement(s)	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling. Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P330	Rinse mouth.
P333+P313	IF SKIN irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Special note: Excessive pressure may build up in a container. Open container with caution to prevent container damage and accidental release.

Other hazards

n/a

SECTION 3: Composition/information on ingredients

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Substances

Synonyms: pentan-2-one oxime; methylpropylketoxime
 Formula: $C_5H_{11}NO$
 Molecular Weight: 101.1469
 CAS-No.: 623-40-5
 EC number: N/A

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component:

N-(pentan-2-ylidene)hydroxylamine

Classification:

Acute toxicity, oral (Category 4), H302
 Acute toxicity, dermal (Category 4), H312
 Serious eye damage/eye irritation (Category 1), H318
 Acute toxicity, inhalation (Category 4), H332
 Carcinogenicity (Category 2), H351
 Sensitization, Skin (Category 1), H317
 Flammable liquids (Category 4), H227

Concentration, %: N/A

SECTION 4: First aid measures

Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

Skin contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Eye contact: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

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Suitable extinguishing media

Sand, carbon dioxide, dry chemical powder, or appropriate foam.

Specific hazards arising from the substance or mixture

May emit toxic fumes under fire conditions including Carbon monoxide, Carbon dioxide, Nitrogen oxides.

Danger of containers bursting upon heating.

Special protective equipment and precautions for firefighters

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: remove movable containers if safe to do so.

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Wipe dry, place a rag in a bag and hold for waste disposal. Avoid fumes inhaling. Ventilate area and wash spill site after material pickup is complete.

SECTION 7: Handling and storage

Precautions for safe handling

Handling is performed in a well ventilated place. Wear suitable protective equipment. Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Wash hands and face thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed and upright. Avoid overheating. Store in a dry and well-ventilated place at RT.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated

SECTION 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

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N/A

Appropriate engineering controls

Install a closed system or local exhaust so that workers should not be exposed directly.

Install safety shower and eye bath.

Wash hands thoroughly after handling.

Personal protective equipment

Respiratory Protection

Government approved respirator.

Skin Protection

Compatible chemical-resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.

Eye/Face Protection

Government approved eye/face protection equipment.

Body protection

Protective clothing. Protective boots, if the situation requires.

SECTION 9: Physical and Chemical Properties

Property Value At Temperature or Pressure

Appearance (20°C)

Physical state: liquid

Odor: N/A

Color: brown

pH: N/A

Melting point/freezing point (°C): N/A

Initial boiling point and
boiling point range (°C): 71-73 at pressure 12 mm Hg

Flash Point (°C): N/A

Vapor pressure: N/A

Vapor density: N/A

Relative density (g/ml): 0.909 at temperature 20°C

Partition coefficient: noctanol/ water: 1.18

Auto-ignition temperature (°C): N/A

Viscosity: N/A

Flammability: N/A

Explosive properties: N/A

Oxidizing properties: N/A

Water solubility: N/A

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Evaporation rate:

N/A

Refractive index:

1.4453, 589 nm, 20 °C

SECTION 10: Stability And Reactivity

Chemical stability

Stable under specified storage temperature.

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Nitrogen oxides

SECTION 11: Toxicological Information

N/A

Toxicological properties were not fully evaluated.

SECTION 12: Ecological Effects

N/A

SECTION 13: Disposal considerations

Substance disposal:

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations

Contaminated packaging disposal:

Dispose of as unused product

SECTION 14: Transport Information

UN number

ADR/RID: -

IMDG: -

IATA: -

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UN proper shipping name

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

Packing group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

ADR/RID: no IMDG Marine Pollutant: no IATA: no

Special precautions for user

no data available

SECTION 15:Regulatory Information

This safety datasheet complies with the requirements of Regulations (EC) No. 1907/2006 and No. 1272/2008.

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

No data available

Chemical Safety Assessment

For this product no chemical safety assessment was carried out at Enamine Ltd.

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.