SAFETY DATA SHEET（SDS）

Product Name:Sodium hexamethyldisilamine solution in THF SDS number: HS/LJJEGAN001-2023
Date Prepared: Apr 28,2023 Version：A/2

Section 1 - Product and Company Identification

Product name	Sodium hexamethyldisilamine solution in THF
Applicant name	Lanzhou Hong Sheng Fine Chemical Co., LTD
Application address	Room 820, strategic emerging industry hatching base, Qinchuan Garden, Lanzhou new district, Lanzhou City, Gansu Province
Applicant post code	——
Applicant fax	——
Applicant emergency number	+86-13194871973
Applicant email	37048462@qq.com
Manufacturer name	Lanzhou Hong Sheng Fine Chemical Co., LTD
Manufacturer address	Room 820, strategic emerging industry hatching base, Qinchuan Garden, Lanzhou new district, Lanzhou City, Gansu Province
Manufacturer post code	——
Manufacturer fax	——
Manufacturer emergency number	+86-13194871973
Recommended and restricted USES	Used for Pharmaceutical intermediate

Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the ninth revised edition):

GHS hazard class			
Physical hazard	Flammable liquids	Category 2	H225
Health hazard	Skin corrosion/irritation	Category 1B	H314
	Carcinogenicity	Category 2	H351
	Specific target organ toxicity, single exposure;	Category 3	H335 H336

Pictogram

Signal Danger

Hazard statements

H225 Highly flammable liquid and vapour

H302 dysphagia。

H314 Causes severe skin burns and eye damage

H318 Causing severe eye damage。

H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness。

H351 Suspected of causing cancer

Prevention

P201 Obtain special instructions before use。

P202 Do not move it until you have read and understood all safety precautions。

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid inhaling dust/smoke/gas/smoke/vapor/spray。

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke while using this product。

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

P301 + P312 + P330 If swallowed: If you feel unwell, call the emergency center/doctor. gargle。

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].

P304 + P340 + P310 If inhaled: Remove person to fresh air and keep comfortable for breathing. Call emergency center/doctor immediately。

P305 + P351 + P338 + P310 If in eyes: Rinse carefully with water for a few minutes. If you wear contact lenses and can easily remove them, remove them. Keep rinsing. Call emergency services/doctors immediately

P308 + P313If exposed or concerned: Seek medical advice/attention。

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use dry powder and sand to extinguish fire. Do not use water or foam to extinguish fires

Storage

P403 + P235+ P233 Store in a well-ventilated place. Keep cool. Keep container tightly closed.

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

Section 3 – Composition/Information on Ingredients

Component	Concentration (%)	CAS No.	EC No.

Tetrahdrofuran	Trade secret	109-99-9	203-726-8
1,1,1,3,3,3,-Sodium hexamethyldisilamine	Trade secret	1070-89-9	213-983-8

Section 4 – First Aid Measures

After skin contact	Remove contaminated clothing and shoes immediately. Rinse with soap and plenty of water. Consult a doctor.
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a doctor.
After ingestion	Never feed an unconscious person anything from his or her mouth. Gargle with water. Consult a doctor.
After inhalation	If inhaled, move the patient to fresh air. Consult a doctor.

Section 5 – Fire Fighting Measures

Hazardous products of combustion	Carbon oxide, ammonia oxide, sodium oxide, silica, explosive peroxide.
Extinguishing method	Use dry powder and sand to extinguish fire. Do not use water or foam to extinguish fires
Special protective equipment	Put on full body protective clothing and self-contained breathing apparatus to fight the fire.

Section 6 – Accidental Release Measure

Personal protective measures	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental protective measures	Take measures to prevent further leakage or overflow under safe conditions. Don't let the product go down the drain.
Methods for taking in and cleaning up	Collect, enclose and extract the leakage, and use liquid absorbing materials to absorb the spill into a suitable closed container for disposal as hazardous waste.

Section 7 – Handling and Storage

Safe handling	Operate under a fume hood. Avoid contact with skin and eyes. Avoid inhaling steam or fog droplets. Keep away from fire. Fireworks are strictly prohibited. Take measures to prevent static buildup. Avoid contact with water.
Storage	Store in a cool place. Keep the container airtight, protect it with nitrogen, and store it in a dry, ventilated place. Open containers must be carefully resealed and held upright to prevent leakage. Keep away from heat sources, sparks, open flames, and hot surfaces.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls	Operate in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of work. Use only in chemical exhaust hood. Ensure adequate ventilation, especially in closed areas. Make sure the eyewash and shower are close to the workplace. Where possible, engineering control measures such as process isolation or closure, the introduction of process or equipment changes to minimize the possibility of release or contact, and the adoption of properly

designed ventilation systems shall be used to control hazardous material sources.

Respiratory protection Wear a gas mask, or respiratory protective device.

Hand Protection Handle with gloves. Gloves must be inspected prior to use and remove. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection Wear chemical safety goggles.

Skin and body protection Complete suit protecting against chemicals. Flame retardant antistatic protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Section 9 – Physical and Chemical Properties

Physical state: Transparent liquid
Color: Yellow
Odor: Pungent smell
pH value: No data available
Melting point/freezing point(℃): No data available
Initial boiling point and boiling range(℃): No data available
Flash point(℃)(closed cup): -17° C - Closed cup
Flammability: Flammable
Upper explosive limit%(V/V): No data available
Lower explosive limit%(V/V): No data available
Vapor pressure (hPa): No data available
Vapor density (g/mL): No daa available
Relative density(/): No data available
Solubility: No data available
Octanol / water partition coefficient: No data available
Kinematic viscosity (mm^2/s): No data available
Auto-ignition temperature(℃): No data available
Decomposition temperature(℃): No data available
Particle characteristics: No data available

Section 10 – Stability and Reactivity

Reactive No data available.
Chemical stability Stable under recommended storage conditions..
Possibility of hazardous reactions Reacts violently with water.
Avoid conditions Heat, moisture
Incompatible materials Oxidant, strong oxidant, oxygen
Hazardous decomposition products Carbon oxide, ammonia oxide, sodium oxide, silica, explosive peroxide.

Section 11 – Toxicological Information

Acute toxicity: No data available.
Skin corrosion/irritation: Sensitive to moisture
Serious eye damage/eye irritation: Causes serious eye damage.The danger of blindness
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: Suspected of causing cancer.
Reproductive toxicity: No data available.
Specific target organ toxicity – single exposure: May cause respiratory irritation.May cause drowsiness or dizziness
Specific target organ toxicity – repeated exposure: No data available.
Aspiration hazard: No data available.

Section 12 – Ecological Information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

Section 13 – Disposal Considerations

Property of waste: No data available.

Methods of disposal: National and local regulations should be consulted before disposal. Contact with a qualified waste disposal agency for disposal.

Precautions of disposal: Contact professional waste disposal department to deal with waste.

Section 14 - Transport Information

UN number: 2924

UN proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

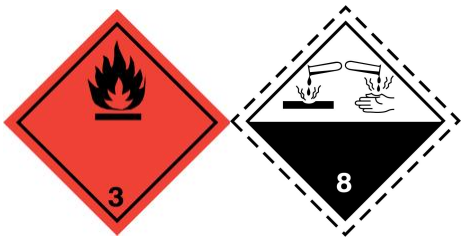
(Contains Tetrahydrofuran,sodium hexamethyldisilamine)

Transportation primary hazard class: 3

Transportation secondary hazard class: 8

Packing group: Ⅱ

Hazard labeling:



Marine Pollutants (Yes/No): Yes（《List of hazardous Marine pollution goods》）

Special precautions relating to transport or means of transport: The packing should be complete and the loading should be safe. During transportation, the container shall not leak, collapse, fall or be damaged. Transport vehicles and vessels must be thoroughly cleaned and disinfected, otherwise other articles may not be carried.

Section 15 - Regulatory Information

Regulatory Information: the following laws, regulations and standards provide for the safe use, storage, transport, handling, classification and labelling of chemicals:	
List of chemicals	Is in the directory
List of hazardous chemicals under key supervision	-
List of highly toxic substances (2003 edition)	-
List of explosive-prone hazardous chemicals (2017 edition)	-
List of hazardous chemicals (2015 edition)	-

Classification and catalogue of Precursor Chemicals	-

Standard Series for classification and labelling of chemicals (GB 30000.2-2013-GB30000.29-2013)

Regulations on the Safety Administration of Dangerous Chemicals (order of the State Council No. 591)

Section 16 - Additional Information

Prepared Date: Apr 28, 2023

References: The SDS is prepared in accordance with 《Chemical Safety Technical Instructions the Contents and Sequence 》(GB /T16483-2008) and 《 Guidance for Preparing Chemical Safety Technical Instructions》 (GB_T 17519-2013). The GHS classification of chemicals in the SDS is based on the chemical classification and label specification series standard (GB 30000.2-2013 ~ GB30000.29-2013).

Disclaimer: The chemical registration center of the Ministry of Emergency Management has provided all the relevant information in this SDS, but we can not guarantee its absolute completeness and accuracy. This SDS only provides safety precautions for those who are properly trained to use the product. To obtain the individual users of this SDS, under special conditions of use, must make an independent judgment of the applicability of this SDS. Under special circumstances, the chemical registry shall not be liable for any injury caused by the use of this SDS.