SAFETY DATA SHEET（SDS）

Product Name: Potassium bis(trimethylsilyl)amide solution in THF SDS number: HS/LJJAJK001-2023
Date Prepared: May22,2023 Version：A/0

Section 1 - Product and Company Identification

Product name	Potassium bis(trimethylsilyl)amide 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	Acute toxicity, oral	Category 4	H302
	Skin erosion/irritation	Category 1B	H314
	Severe eye injury/eye irritation	Category 1	H318
	Specific target organ system toxicity (one contact) to respiratory tract stimulation	Category 3	H335

Pictogram

Signal Danger

Hazard statements

H225 Highly flammable liquid and vapour

H302 Swallowing is harmful.

H314 Causing severe skin burns and eye damage.

H335 May cause respiratory irritation.

Prevention

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/steam/spray.

P264 Wash hands thoroughly after handling.

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

P271 Use only outdoors or in well-ventilated areas.

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

Response

P301 + P312 + P330 If swallowed by mistake: if you feel unwell, call the Emergency Centre/doctor. Gargle.

P301 + P330 + P33 1If swallowed: Gargle. 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: people will be moved to fresh air, keep breathing comfortable position. Call the Emergency Centre/doctor immediately.

P305 + P351 + P338 + P310 If entering the eye: rinse gently with water for a few minutes. If wearing contact lenses and can be easily removed, removed, contact lenses. Keep Flushing. Call the doctor immediately.

P363 Contaminated clothes can be reused after cleaning.

P370 + P378 In case of fire: use dry sand, dry powder or anti-alcohol foam to extinguish fire.

Storage

P403 + P233 Store in a well-ventilated place. Keep the container closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal

P501 Send the contents/containers to an approved waste treatment plant for disposal.

Section 3 – Composition/Information on Ingredients

Component	Concentration (%)	CAS No.	EC No.
Tetrahdrofuran	>= 90 - <= 100 %	109-99-9	203-726-8
Potassium bis(trimethylsilyl)amide	>= 5 - < 10 %	40949-94-8	/

Section 4 – First Aid Measures

After skin contact 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 Do not induce vomiting. Never feed anything to an unconscious person. Gargle with water. Consult a doctor.

After inhalation	If inhaled, move the patient to fresh air. If breathing stops, give artificial respiration. Consult a doctor

Section 5 – Fire Fighting Measures

Hazardous products of combustion	Carbon oxide, nitrogen oxide, potassium oxide, silicon dioxide
Extinguishing method	Dry powder, dry sand，Don't spray with water.
Special protective equipment	If necessary, wear self-contained breathing apparatus for fire fighting operations. Spray water to cool the unopened container.

Section 6 – Accidental Release Measure

Personal protective measures	Use the personal protective equipment. Avoid inhaling vapors, vapors, or gases. Ensure adequate ventilation. Eliminate all fire sources. Evacuate people to a safe area. Note that the vapor accumulates to an explosive concentration and can be stored in low-lying areas of the ground.
Environmental protective measures	If safety can be ensured, measures can be taken to prevent further leakage or overflow. Don't let the product go down the drain.
Methods for taking in and cleaning up	Containment spillage, absorbing spillage with non-combustible materials (e. g. Sand, Earth, diatomite, Vermiculite) , collecting it in containers and treating it according to local or national regulations.

Section 7 – Handling and Storage

Safe handling	Avoid contact with skin and eyes. Avoid inhaling vapors or mist droplets.. **Fire and explosion protection measures:** Keep away from the fire. - No fireworks. Take measures to prevent the accumulation of static electricity. **Hygiene practices:** Operate in accordance with good industrial hygiene and safety practices. Wash hands before rest and at the end of work.
Storage	**Storage conditions:** Keep the container closed and stored in a dry, ventilated place. Open containers must be carefully re-sealed and kept in a vertical position to prevent leakage. **VCI storage grade:** German storage grade (TRGS 510) : 3: flammable liquids

Section 8 – Exposure Controls/Personal Protection

Engineering Controls	Operate in accordance with good industrial hygiene and safety practices. Wash hands before rest and at the end of work.
Respiratory protection	If the hazard assessment indicates the use of an air-purifying gas mask, use a full-face mask multi-function gas mask (US) or Abek -ENB-EN 14387) gas mask cartridge as a backup for engineering control. If a gas mask is the only way to protect, use a full mask air supply gas mask. Respirators use respirators and components that have been tested and passed government standards such as NIOSH (US) or Cen (EU) .
Hand Protection	Gloves and gloves must be checked before use. Remove gloves (do not touch the outer surface of the gloves) using appropriate methods to avoid any skin contact with the product. Please handle the

	contaminated gloves carefully in accordance with the relevant laws and regulations and effective laboratory procedures. Please Wash and dry your hands. The protective gloves selected must comply with the specifications given in regulation (EU)2016/425 and the EN 374 standard derived from it.
Eye protection	For face masks and safety glasses, protect your eyes with equipment that has been tested and approved by an official standard such as NIOSH (USA) or EN 166(EU) .
Flame retardant anti-static protective clothing.	Anti-seepage clothing, flame retardant anti-static protective clothing. The type of protective equipment must be chosen according to the concentration and quantity of hazardous substances in a particular workplace.

Section 9 – Physical and Chemical Properties

Physical state: liquid
Color: Colorless
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): -18.9℃ - closed cup
Flammability: Flammable
Upper explosive limit%(V/V): Non-explosive
Lower explosive limit%(V/V): Non-explosive
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	Is stable under the recommended storage conditions
Possibility of hazardous reactions	No data available.
Avoid conditions	Heat, fire and Sparks
Incompatible materials	Water, oxidant, strong oxidant, oxygen
Hazardous decomposition products	Carbon oxide, nitrogen oxide, potassium oxide, silicon dioxide

Section 11 – Toxicological Information

Acute toxicity: transoral- No data available.
Skin corrosion/irritation: No data available.
Serious eye damage/eye irritation: No data available.
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
Specific target organ toxicity – single exposure: No data available.
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:

Products

Give the remaining and non-recyclable solutions to a licensed company. Treat with combustion in a chemical incinerator equipped with afterburner and scrubbing equipment, especially when igniting, as the substance is highly flammable

Contamination of packaging

Dispose of as unused product.

Precautions of disposal: Contact professional waste disposal department to handle waste.

Section 14 - Transport Information

UN number:2924

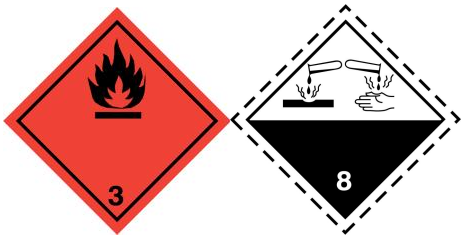
UN proper shipping name: Flammable liquid, corrosive, N.O.S. (Contains Potassium bis(trimethylsilyl)amide, Tetrahdrofuran)

Transportation primary hazard class: 3

Transportation secondary hazard class:8

Packing group: II

Hazard labeling:



Marine Pollutants (Yes/No): NO（《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: May 22, 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.