

## Safety Data Sheet

## SF-24 3P Adhesive Comp.B

Version: V2.0.0.1

Report No.: HCC-202101-0322

Creation Date: 2021/01/26

Revision Date: 2021/01/26



\*Prepared according to GB/T 17519 and GB/T 16483

## 1 Identification of the chemical and supplier

## Product identifier

Product Name	SF-24 3P Adhesive Comp.B
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable

## Recommended use of the product and restrictions on use

Relevant identified uses	Municipal Engineering.
Uses advised against	No special note.

## Details of the supplier of the Safety Data Sheet

Name of the company	Suzhou Lubin Hi-Tech Material Co.,Ltd.
Address of the company	NO.69 WEXIN RD SUZHOU, CHINA, BUILDING 5, ROOM 202,OET PARK
Post code	215000
Telephone number	15190049656
Fax number	051268186081
E-mail address	service-lubin@hotmail.com

## Emergency phone number

Emergency phone number	051268186081
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## 2 Hazard(s) identification

## Hazard classification according to GHS

Hazard classification according to GHS	Not applicable
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## GHS Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

## Hazard statements

Hazard statements	Not applicable
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## Precautionary statements

## ◆ Prevention

Prevention	Not applicable
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## ◆ Response

<b>Response</b>	Not applicable
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## ◆ Storage

<b>P403+P233</b>	Store in a well-ventilated place. Keep container tightly closed.
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## ◆ Disposal

<b>P501</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
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## | Hazard description

## ◆ Physical and chemical hazards

	Liquid, toxic smoke/fumes in a fire.
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## ◆ Health hazards

<b>Inhaled</b>	According to the material form, it is not the normal way of contacting.
<b>Ingestion</b>	Accidental ingestion of the product may be harmful to the health of the individual.
<b>Skin Contact</b>	No harm in general situation.
<b>Eye</b>	This product may cause temporary discomfort following direct contact with the eye.

## ◆ Environmental hazards

	Please refer to 12th chapter of SDS.
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## 3 Composition/information on ingredients

## | Substance/mixture

	Mixture
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Component	CAS No.	EC No.	Concentration (wt, %)
<b>Sodium silicate</b>	1344-09-8	215-687-4	40
<b>Water</b>	7732-18-5	231-791-2	60

## 4 First-aid measures

## | Description of first aid measures

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>Skin contact</b>	Take off contaminated clothing and shoes immediately. Wash off with plenty of soap and water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Call a physician immediately
<b>Inhalation</b>	According to the material form, it is not the normal way of contacting.
<b>Protecting of first-aiders</b>	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

**| Most important symptoms, acute and delayed**

1	Please see section 11.
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**| Advice for protecting the rescuer**

1	Remove all sources of ignition and increase ventilation.
2	Avoid contact with skin and eyes.

**| Special note to the doctor**

1	Treat symptomatically.
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**5 Fire-fighting measures****| Extinguishing media**

<b>Suitable extinguishing media</b>	Use extinguishing media suitable for surrounding area.
<b>Unsuitable extinguishing media</b>	There is no restriction on the type of extinguisher which may be used.

**| Specific hazards arising from the substance or mixture**

1	May expansion or decompose explosively when heated or involved in fire.
2	Development of hazardous combustion gases or vapor possible in the event of fire.

**| Fire precautions and protective measures**

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

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

1	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
2	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
3	Use personal protective equipment. Avoid breathing mist or dust

**| Environmental precautions**

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

**| Methods and materials for containment and cleaning up**

1	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
2	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
3	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

**7 Handling and storage****| Handling**

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.

3	Avoid contact with skin and eyes.
4	Keep away from heat/sparks/open flames/ hot surfaces.

## Storage

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

## 8 Exposure controls/personal protection

### Control parameters

#### ◆ Occupational Exposure limit values (Chemical Harmful Factors)

<b>Occupational exposure limit</b>	No relevant regulations
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#### ◆ Biological limit values

<b>Biological limit values</b>	No relevant regulations
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#### ◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 300.1~GBZ/T 300.160-2017; GBZ/T 300.161~GBZ/T 300.164-2018 Determination of toxic substances in workplace air (Series standard).

### Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Set up emergency exit and necessary risk-elimination area.
4	Handle in accordance with good industrial hygiene and safety practice.

### Personal protection equipment

<b>General requirement</b>	No special requirements, please see the description below
<b>Eye protection</b>	In general situation, eye protection is not needed. In the production process, when contacting with dust, tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
<b>Hand protection</b>	In general situation, hand protection is not needed.
<b>Respiratory protection</b>	In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
<b>Skin and body protection</b>	In general situation, skin and body protection are not needed.

## 9 Physical and chemical properties

### Physical and chemical properties

<b>Appearance</b>	Colorless and transparent
<b>Odor</b>	No information available
<b>Odor threshold</b>	No information available
<b>pH</b>	No information available

<b>Melting point/freezing point(°C)</b>	No information available
<b>Initial boiling point and boiling range(°C)</b>	No information available
<b>Flash point(Closed cup, °C)</b>	No information available
<b>Evaporation rate</b>	No information available
<b>Flammability</b>	No information available
<b>Upper/lower explosive limits[% (v/v)]</b>	Upper limit: No information available; Lower limit: No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density(Air = 1)</b>	No information available
<b>Relative density(Water=1)</b>	No information available
<b>Solubility</b>	No information available
<b>n-octanol/water partition coefficient</b>	No information available
<b>Auto-ignition temperature(°C)</b>	No information available
<b>Decomposition temperature(°C)</b>	No information available
<b>Viscosity</b>	No information available

## 10 Stability and reactivity

### Stability and reactivity

<b>Reactivity</b>	Contact with incompatible substances can cause decomposition or other chemical reactions.
<b>Chemical stability</b>	Stable under proper operation and storage conditions.
<b>Possibility of hazardous reactions</b>	No information available.
<b>Conditions to avoid</b>	Incompatible materials, heat, flame and spark.
<b>Incompatible materials</b>	No information available.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 Toxicological information

### Acute toxicity

<b>Acute toxicity</b>	No information available.
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### Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
<b>Sodium silicate</b>	Not Listed	Not Listed
<b>Water</b>	Not Listed	Not Listed

### Others

SF-24 3P Adhesive Comp.B	
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met
<b>Serious eye damage/irritation</b>	Based on available data, the classification criteria are not met
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met
<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met

<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met
<b>STOT-single exposure</b>	Based on available data, the classification criteria are not met
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Reproductive toxicity(additional)</b>	Based on available data, the classification criteria are not met

## 12 Ecological information

### | Acute aquatic toxicity

<b>Acute aquatic toxicity</b>	No information available
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### | Chronic aquatic toxicity

<b>Chronic aquatic toxicity</b>	No information available
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### | Persistence and degradability

<b>Persistence and degradability</b>	No information available
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### | Bioaccumulative potential

<b>Bioaccumulative potential</b>	No information available
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### | Mobility in soil

<b>Mobility in soil</b>	No information available
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### | Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
<b>Sodium silicate</b>	Not PBT/vPvB
<b>Water</b>	Not PBT/vPvB

## 13 Disposal considerations

### | Disposal considerations

<b>Waste chemicals</b>	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
<b>Contaminated packaging</b>	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
<b>Disposal recommendations</b>	Refer to section waste chemicals and contaminated packaging.

## 14 Transport information

### | Label and Mark

<b>Transporting Label</b>	Not applicable
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### | IMDG-CODE

<b>IMDG-CODE</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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### | IATA-DGR

## IATA-DGR

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

## UN-ADR

## UN-ADR

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

## Others

## Methods of packing

Packaging as recommended by manufacturer.

## Precautions for transport

Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before transport, should be preceded by checking whether container integrity, sealing.

## 15 Regulatory information

## International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIIC	ENCS
Sodium silicate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water	✓	✓	✓	✓	✓	✓	✓	✓	✓

[EINECS] European Inventory of Existing Commercial Chemical Substances

[TSCA] United States Toxic Substances Control Act Inventory

[DSL] Canadian Domestic Substances List

[IECSC] China Inventory of Existing Chemical Substances

[NZIoC] New Zealand Inventory of Chemicals

[PICCS] Philippines Inventory of Chemicals and Chemical Substances

[KECI] Korea Existing Chemicals Inventory

[AIIC] Australia. Inventory of Industrial Chemicals (AIIC) [ENCS]

Japan Inventory of Existing &amp; New Chemical Substances

## Chinese chemical inventory

Component	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Sodium silicate	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
Water	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×

【A】 Catalog of Hazardous Chemicals(2015 Edition), Notice 5<sup>th</sup> 2015, the former China State Administration of Work Safety together with the Ministry of Industry and Information Technology, etc.

【B】 List of Toxic Chemicals Restricted in China, Notice 60<sup>th</sup> 2019, the Ministry of Ecology and Environment, Ministry of Commerce, General Administration of Customs.

【C】 List of Ozone Depletion Chemicals Controlled to be Imported/Exported in China (First to Sixth batches) , Notice from 2000 to 2012, the former Ministry of Environmental Protection of PRC.

【D】 Catalog of Hazardous Chemicals for Priority Management (First and Second batches) , Notice 95<sup>th</sup>, 2011, Notice 12<sup>th</sup> 2013, China State Administration of Work Safety.

【E】 Catalog of Hazardous Chemicals for Environmental Management, Notice 33<sup>th</sup> 2014, The former Ministry of Environmental Protection.

【F】 List of Various Monitoring Chemicals, 52<sup>th</sup> 2020, the Ministry of Industry and Information Technology.

【G】 List of Priority Controlled Chemicals (the First batch), 83<sup>th</sup> 2017, the former Ministry of Environmental Protection, Ministry of Industry and Information Technology, the former National Health And Family Planning Commission.

【H】 Catalog of Specially Controlled Hazardous Chemicals (First Edition), 1<sup>st</sup> 2020, the Ministry of Emergency Management, Ministry of Industry and Information Technology, Ministry of Public Security, Ministry of Transport.

【I】 List of Toxic and Harmful Water Pollutants (First batch), 28<sup>th</sup> 2019, the Ministry of Ecology and Environment, National Health Commission.

【J】 Catalog of Highly Toxic Chemicals, Notice 142<sup>th</sup> 2003, the former Ministry of Health of P.R.China.

【K】 Dangerous Chemicals Directory Used to Manufacture Exploder (2017 Edition), Notice 11<sup>th</sup> May. 2017, Ministry of Public Security of P.R.China.

【L】 Catalog of Stupeficient and Psychotropic Substances(2013 Edition), Notice 230<sup>th</sup> 2013, China Food and Drug Administration.

- 【M】 Catalog of Classification and Varieties of Precursor Chemicals, 120<sup>th</sup> 2017, series of announcements issued by the Ministry of Public Security and other ministries and commissions.
- 【N】 Catalog of Import and Export Management of Precursor Chemicals, 7<sup>th</sup> 2006, the Ministry of Commerce.
- 【O】 International Verification of Precursor Chemicals Management Catalog, 8<sup>th</sup> 2006, the Ministry of Commerce, Ministry of Public Security.

## Note:

- “√” Indicates that the substance included in the regulations.
- “×” No data or not included in the regulations.

## 16 Other information

### Information on revision

Creation Date	2021/01/26
Revision Date	2021/01/26
Reason for revision	-

### Reference

- [1] IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- [2] IARC, website: <http://www.iarc.fr/>.
- [3] OECD: The Global Portal to Information on Chemical Substances, website: <https://www.echemportal.org/echemportal/substancesearch/index.action>.
- [4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- [5] NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- [6] EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
- [7] U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
- [8] Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

### Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG	International Maritime Dangerous Goods
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC <sub>50</sub>	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD <sub>50</sub>	Lethal Dose 50%	NTP	National Toxicology Program
EC <sub>50</sub>	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC <sub>x</sub>	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P <sub>OW</sub>	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor		

### Disclaimer

This Safety Data Sheet (SDS) was prepared according to GB/T 16483 and GB/T 17519. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.