

HENAN JINGXIN BIOTECHNOLOGY CO., LTD.

Material Safety Data Sheet

Product Name: Surface Sizing Agent GS HS CODE: 3809.9200 CONTRACT NO: HMBC/12/03/401

1. Chemical name and company identification:	
Product name :	Surface Sizing Agent GS/GC-2C
Product function:	Paper surface sizing
Limited function :	Family, public , consumer
Manufacturer :	HENAN JINGXIN BIOTECHNOLOGY CO., LTD.
Add :	North County Industrial Part, Shenqiu County, Shenqiu, Zhoukou City, Henan, China
Tel:	86-394-5309988

2. Hazard overview	
Hazard Information	No danger
GHS Hazard class	No info
GHS Marking elements (including precautionary statements):	Pictogram: No information available Signal word: No information available Hazard statement: No information available Warning Statement: No Information
Acute health hazard	Inhalation: Inhalation of vapors or fumes may cause irritation of the nose, throat and lungs, as well as headache, nausea, etc. Eyes: Direct contact can cause eye irritation. Skin: Prolonged or repeated skin contact can cause mild irritation.

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3. Ingredients/Composition Information		
Chemical Name	CAS registration number	Content (calculated by weight %)
Styrene-acrylate copolymer	9010-92-8	30±1
Water	7732-18-5	70±1

4. first-aid	
Inhale:	If fumes are inhaled, move patient to fresh air. Seek medical attention if necessary.
Skin Contact	Remove contaminated clothing and rinse with running water.
Eye Contact	Lift eyelids and flush with running water or saline. seek medical attention.
Ingestion	Drink plenty of warm water to induce vomiting. Get medical attention promptly.

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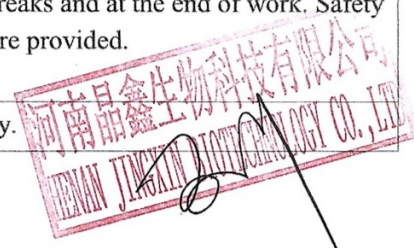
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5. Fire-fighting measures	
Fire fighting methods	Move the container from the fire area to an open area as much as possible. Keep fire containers cool by spraying water until the fire is
Extinguishing Media	Solvent-resistant foam, dry powder, carbon dioxide, sand.
Hazardous Combustion Products	Non-flammable.
Special Fire Fighting Equipment in Fire Fighting	At any fire scene, firefighters should wear self-contained breathing and full protective equipment to fight fire.
Special hazards in fire fighting	In a fire, irritating or toxic gases or fumes may be produced at high temperatures

6. ACCIDENTAL RELEASE MEASURES	
Reminder: During handling, personal protective equipment should be worn according to the requirements of Section VIII. Avoid breathing vapors, mists or gases. Ensure adequate ventilation.	
Environmental protection measures	Isolate the leaked pollution area, restrict access, and avoid polluting the water body
Spill measures	Absorb with inert material (such as sand, soil, etc.) and collect in dry, clean, covered containers. Or collect and recycle or transport to waste disposal site for disposal.

7. Handling and Storage	
Reminder: During the handling process, it is necessary to wear personal protective equipment according to the requirements of Section 8	
Handling	Closed operation, local exhaust. Avoid contact with eyes and skin. Do not breathe vapours and fumes, etc.
Storage	Store in a cool, ventilated warehouse. Keep away from fire and heat sources. should be kept away from oxidizer, do not store together.

8. Exposure Controls and Personal Protection	
Engineering controls	Handle in accordance with good industrial and safety practices. Full ventilation. Wash hands before breaks and at the end of work. Safety showers and eye wash facilities are provided.
Respiratory Protection	Wear filter respirators if necessary.



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Hand Protection	Wear protective gloves. Respirator with canister and dust/fume pre-filter.
Eye Protection	Wear safety glasses
skin and body protection	protective clothing
Personal protection requirements for heavy exposure	Safety glasses with side shields. Full chemical suit. respirator. Protective gloves. Avoid breathing dust

9. Physical and chemical properties			
Appearance	Pale yellow to tan liquid	Vapor density	No data available
Solid Content	30.0±1.0%	Partition coefficient (n – octanol/water)	No data available
pH Value :	2-5	Solubility	Soluble in water
Viscosity :	≤60 mPa.s(25℃)	Flash point :	> 70℃ (closed cup)
Density :	1.0-1.1 g/cm ³	Auto-ignition temperature	No data available
Melting point:	-2 ℃	Decomposition temperature:	No data available
Boiling point:	100 ℃ (water)	Explosion limit:	No explosion hazard
Vapor Pressure:	No data available	Flammability	No data available

10. Stability and reactivity	
Stability	Stable under normal storage conditions at room temperature
Aggregation	Not happen
Conditions to avoid	Incompatible substances, high temperature, ignition source
Incompatible materials	Strong acids, strong bases
Hazardous Decomposition products	None of the ingredients in the product will easily decompose.

11. Toxicological Information (Refer to Section 3 for Hazard Information)	
Acute toxicity:	Route of entry: Inhalation. Eye
Skin irritation or corrosion	Irritating to the skin
Eye irritation or corrosion	irritating to eyes
Respiratory or skin irritation:	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	None of the components in this product at levels greater than or equal to 0.1% have been identified by IARC as probable or positive human carcinogens.
Reproductive toxicity	No data available

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Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration Hazard	No data available

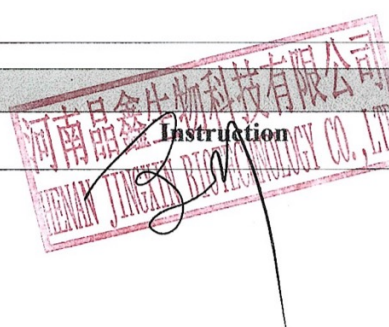
12. Ecological information	
Ecotoxicity	No data available
Persistence and Degradability	Hazardous degradation is unlikely in the short term, but biodegradation may occur in the natural environment in the long term.
Bioaccumulation	No data available
Mobility	No data available

13. Disposal precautions	
Note	Chemical waste needs to be judged as hazardous waste according to relevant national and local environmental protection regulations. National and local regulations should be consulted before hazardous waste disposal.
Disposal method	Dispose of as required by local laws and regulations. Take leftover and unrecycled product to the disposal company for disposal. Contact a professional licensed waste disposal facility to dispose of this material. Dissolved or mixed with flammable solvents, and burned in a chemical incinerator equipped with post-combustion treatment and scrubbing.

14. Transport information	
Applicable Shipping Names	non-regulated materials
Hazard classification	non-regulated materials
Dangerous Goods Number UN. No.	non-regulated materials
Packaging Group	non-regulated materials
Marine Pollutants	non-regulated materials

15. Regulatory Information	
GB 6944-2012	Dangerous goods classification and product name number
GB/T 16483-2008	Chemical Safety Data Sheet Content and Item Sequence
GB 13690-2009	Classification and marking of commonly used hazardous chemicals
GB 12268-2012	Dangerous Goods List
GBZ 2.1-2007	Occupational Exposure Limits for Hazardous Factors in the Workplace List of Hazardous Chemicals for Chemical Hazardous Factors 2007 Edition

16. Other Information	
NFPA/HMIS	Code



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Health	1	Slightly dangerous.
Fire	1	Slightly dangerous.
Physical Hazards	0	very little risk
Protective Equipment:	B	Safety glasses, gloves.

For more protective equipment recommendations see Section 8 of the Material Safety Data Sheet

Disclaimer:

We believe that the information provided in this Material Safety Data Sheet is accurate and represents the most accurate information to our latest knowledge. However, we make no warranty as to its accuracy or completeness. This document should be used only as a guideline and should not be considered a warranty or quality specification. All materials may present unknown hazards and should be used with care. Although some hazards are described in this manual, we cannot guarantee that these are the only hazards present.

