

SDS REPORT

No. **8621.SH.2006.0008** Date: **06.08, 2020** Page: **1 / 10**

Applicant : GENERAL PRINTING AND DESIGN, INC.
Address : 45 BARTLETT STREET MARLBOROUGH, MA 01752

Below information submitted by the applicant:

Product Name : First Safety Hand Sanitizer
Model : /
Model may cover : FS-HS-60/ FS-HS-236/ FS-HS-500/ FS-HS-1L/ FS-HS-1G/ FS-HS-5L/
FS-HS-2L
Reference info. : /
Manufacturer info. : /
Supplier info. : /
Buyer info. : /
Country of Destination : USA
Country of Origin : China

Sample Received : 05.26, 2020
Test Period : 05.26, 2020 – 06.02, 2020
Test Requirement : Refer to next pages
Test Method : Refer to next pages
Test Result : Refer to next pages
Test Conclusion : Refer to next pages

Result Summary	Test Items	Verdict
	1. Material Safety Data Sheet for the submitted samples in according to OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200 and its amendments	Refer to next

Jerry Zhao, Technical Director
Signed for and on behalf of
TUV THURINGEN SHANGHAI CO., LTD.
Shanghai

TÜV Thüringen CHINA

GENERAL PRINTING AND DESIGN, INC.

SAFETY DATA SHEET

45 BARTLETT STREET MARLBOROUGH, MA 01752

Prepared

2020.05.29

FUHUA SIX STREET SOUTH, TONGQIAO TOWN, ZHONGKAI HIGH-TECH DEVELOPMENT ZONE OF HUIZHOU CITY, GUANGDONG, CHINA

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Section 1 Identification of the substance/ mixture and of the company/ undertaking

1.1	Product identifier	
	Product form	Preparation
	Product Name	First Safety Hand Sanitizer
	Model/Type	/
	Model may cover	FS-HS-60/ FS-HS-236/ FS-HS-500/ FS-HS-1L/ FS-HS-1G/ FS-HS-5L /FS-HS-2L
	CAS No.	Refer to section 3
	Type of product	Preparation
	Chemical structure	Refer to section 3
	Synonyms	/
	Product group	Preparation
1.2.1	Relevant identified uses	
	Main use category	Sterilization of the surface of the skin
	Use of the substance / article	For more detail information, see technical data sheet
1.2.2	Uses advised against	
	No additional information available	
1.3	Details of the supplier of safety data sheet	
	Manufacturer/ supplier	GENERAL PRINTING AND DESIGN, INC. 45 BARTLETT STREET MARLBOROUGH, MA 01752
		TEL 800-610—1089
		E-mail orders@excelloglobal.com
1.4	Emergency telephone number	TEL 800-610—1089

Section 2 Hazards identification

2.1	Classification of the substances or mixture	
		Flammable liquids: Category 3 Eye irritation: Category 2 Reproductive toxicity: Category 1A Skin sensitization: Category 1 Specific target organ toxicity - single exposure: Category 3 Specific target organ toxicity - repeated exposure: Category 1
2.2	Label elements	

Pictogram



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Signal word Danger

Hazard statement(s) H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.

2.3 Precautionary Statements

Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

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

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear eye protection/ face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

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

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

2.4 Hazards not otherwise classified

Route of invasion: inhalation, ingestion, percutaneous absorption.

Health hazards: This product is a central nervous system inhibitor. First cause excitement, then suppress.

Acute poisoning: Acute poisoning occurs mostly by oral administration. It can be generally divided into four stages: excitement, hypnosis, anesthesia, and asphyxia.

Chronic effects: Long-term exposure to this product during production can cause irritation of the nose, eyes, and mucous membranes, as well as headache, dizziness, fatigue, irritability, tremor, and nausea. Long-term skin contact can cause dryness, scaling, chapping and dermatitis.

2.5 Environmental hazards:

No information available

2.6 Other hazards

Results of PBT and vPvB assessment No PBT or vPvB substances used.

Section 3 Composition/ information on ingredients

3.1 Substance

Not substances, preparation

3.2 Composition

Name	CAS No.	EC No.	Concentration, %
Ethanol	64-17-5	200-518-6	70

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Purified Water	7732-18-5	231-791-2	26.39
Glycerin	56-81-5	200-289-5	3
Triethanolamine, TEA	102-71-6	203-049-8	0.2
Carbomer	9007-20-9	618-435-5	0.4
Vitamin E	1406-18-4	215-798-8	0.01

Section 4 First-aid measures

4.1	Description of first aid measures	
	General advice	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
	If inhaled	Quickly leave the scene to fresh air.
	In case of skin contact	Take off contaminated clothing immediately and wash with plenty of flowing water.
	In case of eye contact	Immediately lift the eyelids, wash thoroughly with plenty of flowing water, and seek medical advice.
	If swallowing	Let patients drink plenty of water. Induce vomiting. See a doctor.
4.2	Most important symptoms and effects, both acute and delayed	Causes serious eye irritation.
4.3	Indication of any immediate medical attention and special treatment needed	First Aid responders should pay attention to self-protection and use the recommended protective clothing

Section 5 Firefighting measures

5.1	Extinguishing media	
	Suitable extinguishing media	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.
	Unsuitable extinguishing media	A solid water stream may be inefficient.
5.2	Special hazards arising from the substance or mixture	
	Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray. Flash back possible over considerable distance. May form explosive mixtures in air. Exposure to decomposition products may be a hazard to health. Carbon oxides	
	Hazardous decomposition products in case of fire	carbon monoxide, carbon dioxide.
5.3	Advice for firefighters	
	Precautions for fire fighting: Do not stay in a hazardous area without chemical protective clothing and oxygen supply equipment. As far as possible, move the container from the fire to an open place. Spray water to keep the fire field container cool until the end of the fire extinguishment. Prevent chemicals from entering surface water and groundwater.	
5.4	Special protective equipment for firefighters	In case of fire, high heat can cause combustion and explosion. Contact with oxidant to cause chemical reaction or cause combustion. In a fire, a heated container is in danger of exploding. It will cause backfire in case of open flame.

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Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

The personnel in the leaked contaminated area were evacuated to a safe area and segregated, and access was strictly restricted. Cut off the source of the leak as much as possible. Prevent inflow into restrictive spaces such as sewers and flood ditches. Small amount of leakage: use sand or other non-combustible materials to absorb or absorb. It can also be rinsed with a large amount of water, diluted with washing water and put into the waste water system. Large amount of leakage: constructing dikes or digging pits to contain. Cover with foam to reduce steam hazards.

6.2 Environmental precautions

Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Non-sparking tools should be used.
Soak up with inert absorbent material.
Suppress (knock down) gases/vapours/mists with a water spray jet.
Keep in suitable, closed containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Section 7 Handling and storage

7.1 Precautions for safe handling

Closed operation, full ventilation. It is recommended that operators wear filter gas masks (half masks) and anti-static overalls. Keep away from fire and heat sources. Smoking is strictly prohibited in the workplace. Use explosion-proof ventilation systems and equipment. Prevent steam from leaking into the workplace air. Avoid contact with oxidants, acids, alkali metals, amines. The flow rate should be controlled during filling, and there should be a grounding device to prevent the accumulation of static electricity.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, ventilated warehouse. Keep away from fire and heat. The temperature is kept at <30 ° C. Keep container tightly closed. It should be stored separately from oxidants, acids, alkali metals, amines, etc. Avoid mixed storage. Use explosion-proof lighting and ventilation facilities. It is forbidden to use mechanical equipment and tools that easily generate sparks. The storage area should be equipped with leakage emergency treatment equipment and suitable containment materials.

7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8 Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits	Ethyl Alcohol, TWA: 1900mg/m ³ (NIOSH, REL); STEL: 1000mg/kg (OSHA Z-1)
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8.2 EXPOSURE CONTROLS

Appropriate engineering controls	No related information available
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Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.

Hand protection: No special protective equipment required.

Eye protection: Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection: No special measures necessary provided product is used correctly.

Protective measures: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Ensure that eye flushing systems and safety showers are located close to the working place.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Avoid contact with eyes

Control of environmental exposure Do not let product enter drains.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

Appearance Gel

Color Colorless

Odor Alcohol flavor

Odor threshold Characteristic odor

pH, 25°C 6.0-9.0

Relative evaporation rate (butylacetate=1) No data available

Melting point No data available

Freezing point No data available

Boiling point/ range 80°C~83°C

Flash point, close-up, °C 22

Auto-ignition temperature No data available

Decomposition temperature No data available

Flammability (solid, gas) No data available

Vapor pressure 5-7.5, 25°C

Relative vapor density at 20°C No data available

Relative density No data available

Density 0.87g/cm³

Solubility Soluble in water

Log Pow No data available

Viscosity, kinematic No data available

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Explosive properties No data available

Oxidizing properties No data available

Explosive limits No data available

9.2 Other information

Minimum ignition energy No data available

VOC content >1%

Section 10 Stability and reactivity

10.1 REACTIVITY

Stable, non-reactive in storage conditions.

10.2 CHEMICAL STABILITY

Stable under normal conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Vapours may form explosive mixture with air.

10.4 CONDITIONS TO AVOID

Heat, flames and sparks.

10.5 INCOMPATIBLE MATERIALS

Acids, strong oxidants, acid anhydrides, alkali metals, amines.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No hazardous decomposition products are known

Section 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity Not classified

Skin corrosion/irritation Category 1

Serious eye damage/eye irritation Category 2

Respiratory or skin sensitization Category 1

Germ cell mutagenicity Not classified

Carcinogenicity Not classified

Reproductive toxicity Category 1A

Specific target organ toxicity - single exposure Category 3

Specific target organ toxicity - repeated exposure Category 2

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Aspiration hazard Not classified

11.2 Additional Information When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Section 12 Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bio-accumulative potential

No data available

12.4 Mobility in soil

Soluble in water

12.5 Results of PBT and vPvB assessment

Results of PBT assessment No PBT substances used in the product.

12.6 Other adverse effects

No information available

Section 13 Disposal considerations

13.1 Waste treatment methods

Waste treatment methods Dispose of in accordance with local regulations.

Waste management (disposal and evaluation) Disposal must be done according to local/official regulations. Refer to manufacturer/supplier for information on recovery/recycling.

Contaminated packaging Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14 Transport information

Not classified as dangerous in the meaning of transport regulations.

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	AND	RID
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14.1 UN Number

1170	1170	1170	1170	1170
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14.2 UN Proper shipping name

Alcohols	Alcohols	Alcohols	Alcohols	Alcohols
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14.3 Transport hazard class(es)

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14.4	Packing Group				
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II	II	II	II	II
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14.5	Environmental hazards				
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3	3	3	3	3
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14.6	Special precautions for user				
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Overland transport	No data available			
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Transport by sea (IMDG)	No data available			
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Air transport (IATA)	No data available			
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Inland waterway transport	No data available			
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Rail transport	No data available			
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14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code				
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Transport vehicles should be equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment. In summer, it is best to transport it sooner or later. Mixed transportation with oxidants, acids, alkali metals, amines, food chemicals, etc. is strictly prohibited. It should be protected from exposure, rain and high temperature during transportation. When staying on the way, keep away from fire, heat source and high temperature area. The exhaust pipe of the vehicle carrying the item must be equipped with a fire retardant device, and it is forbidden to use mechanical equipment and tools that are prone to spark to load and unload. Road transportation should follow the prescribed route, and do not stop in residential areas and densely populated areas. It is forbidden to slip off during railway transportation. It is strictly forbidden to transport in bulk by wooden boat or cement boat.

Section 15 Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture				
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Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.2	Chemical safety assessment				
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The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterization is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures.

Section 16 Other information

Legislation related to safety data sheets	GHS Rev.3 and European Regulation No.1272/2008, No.1907/2006 and its amendments			
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Modifications related to the previous Safety Data Sheet which concerns the ways of	Not applicable			
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managing risks

Texts of the legislative phrases mentioned in section 2 Not applicable

Texts of the legislative phrases mentioned in section 3 The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

Advice related to training Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Other information Training staff on good manufacturing practice. Manipulations are to be done only by qualified and authorized persons. Use good personal hygiene practices.

MSDS

This information applies to the PRODUCT AS SUCH and conforming to specifications of the company. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely.

Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive.

It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product.

It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product. (usage, storage, cleaning of containers, other processes). The totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

Disclaimer

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new product.