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正本/ORIGIN

編号: H20010472 No: H20010472 日期: 2020-04-03 Date: 2020-04-03

ZAIQ-RF(HH)-01-19

Safety Data Sheet



Applicant name: Lionser Medical Disinfectant (Hangzhou) Co., Ltd.

Product Name: Gelica® Surface Disinfecting Towelettes (Alcohol)

Edit date: 2020-04-03-182

Edit institution: Technology Con er of Hangzhou Customs District

Approver: 3

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Genca Surface Disinfecting Tov	reference (Tree-mon)
	1. Identification of substance
Product Name	Gelica® Surface Disinfecting Towelettes (Alcohol)
Trade Name	Gelica® Surface Disinfecting Towelettes (Alcohol)
Chemical Name	None
Recommended Use	It is applicable to the medical equipment, medical supplies and
	other articles in the high-risk area infected by medical
	institutions Wipe and disinfect the surface. (such as: newborn
	warm box, ventilator, monitor, hemodialysis machine,
	shadowless lamp, operating table, dental comprehensive treatment table, B-ultrasonic probe, stethoscope, bed unit,
	etc.) especially for the wiping and disinfection of items
	(equipment) that may have the risk of occult blood.
Manufacturer	Lionser Medical Disinfectant (Hangzhou) Co., Ltd.
Address	No.1, Langsuo Road, Jiande, Zhejiang / 311607
Phone Number	+86-571-64793003
Fax Number	+86-571-64793014
WEB	None
Emergency Phone Number	+86-571-64793002 or call your nearest poison control centre
国际 总统会员,但是一个	2. Hazards identification
GHS classification	Flammable solids 1
	Hazardous to the aquatic environment, acute hazard 3
and an experience of others flower	Hazardous to the aquatic environment, long-term hazard 3
GHS Pictograms	
self non affances having	
rose native	
经投资的单数投票或 由	
Signal words	Danger
Hazard statements	H228:Flammable solid
be responsible for any	H402:Harmful to aquatic life
	H412:Harmful to aquatic life with long lasting effects
Precautionary Statement	P210:Keep away from heat, hot surfaces, sparks, open flames
Prevention	and other ignition sources. No smoking.
	P240:Ground and bond container and receiving equipment. P241:Use explosion-proof
	electrical/ventilating/lighting//equipment.
	P273:Avoid release to the environment.
	P280:Wear protective gloves/protective clothing/eye
	protection/face protection/hearing protection.
Precautionary Statement	P370+P378:In case of fire: Use extinguisher to extinguish.
Response	
Precautionary Statement	None.
Storage	

Precautionary	Statement
Disposal	
the second secon	

Other hazards which do not result in classification P501: Dispose of contents/container in according with local regulation.

Not available.

Hot result in classification				
3.	Composition/inform	ation on ingredients		
□Substances				
√ Mixtures				
Component Information				
Component	CAS number	EINECS number	Mass(%)	
Ethanol	64-17-5	200-578-6	52.00%wt	
Purified water	7732-18-5	231-791-2	47.79%wt	
Benzalkonium chloride	8001-54-5	616-786-9	0.10%wt	
Di octyl dimethyl ammonium chloride	5538-94-3	226-901-0	0.06%wt	
Di decyl dimethyl				
ammonium chloride	7173-51-5	230-525-2	0.05%wt	
diffinition chieffe	4.First-aid r	neasures		
NOTE TO PHYSICIAN		s of breath, give oxygen observation. Symptoms		
After inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Get immediate medical attention.			
After skin contact	isolate contaminat get medical atten avoid spreading m Wash clothing sep	skin with plenty of wed clothing and shoes. I tion immediately. For raterial on unaffected ski arately before reuse.	f irritation persists, minor skin contact, n.	
After eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention immediately.			
After ingestion	induce vomiting v naturally, have vice Loosen tight clothin not use mouth-t	one or two glasses of war without medical advice. tim lean forward to reduce ng such as a collar, tie, be o-mouth method if vi nmediate medical attent	If vomiting occurs ce risk of aspiration. elt or waistband. Do ctim ingested the	
Most important symptoms/effects, acute and delayed	No data available.			
	5. Fire-fighting	measures		
Suitable extinguishing	Water spray, alc	ohol-resistant foam, ca	arbon dioxide, dry	

Suitable extinguishing agents the material, its products of combustion or flue

Water spray, alcohol-resistant foam, carbon dioxide, dry chemical powder, sandy soil.

Special hazards caused by The decomposition products depend on temperature, air supply and other substances. Decomposition products may include but are not limited to: carbon monoxide and carbon

5/1

W/3

Safety Data Sheet Gelica® Surface Disinfecting To	welettes (Alcohol)	Page 3 of 8 According to GHS rev 8
gases Protective equipment for fire-fighters	dioxide, nitrogen oxide, chloride. Wear full protective clothing, inclu positive pressure or pressure dem- protective clothing and face mask.	and breathing apparatus,
	6. Accidental release measures	
Person-related safety precautions	Ensure adequate ventilation. Rem Beware of vapours accumula concentrations. Ventilate closed sp unnecessary personnel away.	iting to form explosive
Measures for environmental protection	Prevent further leakage or spillage material to be released to the environmental permits.	
Measures for cleaning/collecting	Sweep up and shovel. Contain spills electrically protected vacuum clea place in container for disposal acc Keep in suitable, closed containers	aner or by wetbrushing and cording to local regulations.
Additional information	See Section 7 for information on s See section 8 for information on pe equipment. See Section 13 for information on	ersonal protection
	7. Handling and storage	
Handling Information for safe handling Information about protection against	Use spark-proof tools and mechan In case of insufficient ventilation, requipment. Keep away from heat, sources of insufficient ventilation, requipment.	wear suitable respiratory gnition - No smoking.
explosions and fires STORAGE		
Requirements to be met by storerooms and containers	Keep away from light and airtight, lower than 25 °C.	Harle Rogas ein T
Information about storage in one common storage facility	Use of explosion-proof lighting, ve Store away from imcompatible sub oxidizing agents, alkalis, strong ac	ostances such as strong sids, etc.
Further information about storage conditions	Storage area should be equipped vi quantity of fire equipment, emerge and suitable materials for leakage.	ency treatment equipments
	Exposure controls/personal protect	ion
Limit Values for Exposure		

Limit Values for Exposure Component	CAS number	ACGIH TLV-TWA	ACGIH TLV-STEL	NIOSH REL-TWA	NIOSH REL-STEL
Ethanol	64-17-5	N.E.	1,000 ppm	1,000 ppm	N.E.

N.E. N.E. N.E. N.E. Benzalkonium chloride 8001-54-5 Di octyl dimethyl N.E. N.E. N.E. 5538-94-3 N.E. ammonium chloride Di decyl dimethyl N.E. N.F. N.F. 7173-51-5 N.E. ammonium chloride Use adequate ventilation to keep airborne concentrations low. Appropriate engineering Provide safety shower and eyewash facility. controls Do not get this material in contact with eyes. Handle in General protective and accordance with good industrial hygiene and safety practice. hygienic measures Wash hands before breaks and at the end of workday. Splash goggles, gloves, protective clothing and a vapor Personal protective respirator. equipment When workers are facing concentrations above the exposure Breathing equipment limit they must use appropriate certified respirators. Protection of hands Wear appropriate chemical resistant gloves. Eye/Face protection Use safety glasses with side shields or safety goggles as mechanical barrier for prolonged exposure. Full set of anti chemical reagent overalls, flame retardant Body protection

substance at the work place.

antistatic protective clothing, choose body protection

according to the amount and concentration of the dangerous

Noto:	1 N	E	means	not	octah	liched	
Note:	I. IV.	. Е.	means	HOL	estab	lished.	·

	9.Physical and chemical properties
Physical state	White non-woven fabric and infiltration solution, no obvious
	impurities, spots, alcohol flavor; infiltration solution is colorless
	clear liquid, alcohol flavor.
Colour	White non-woven fabric and colorless clear infiltration solution
Odour	Alcoholic
Melting point/freezing	No data available
point	
Boiling point or initial	No data available
boiling point and boiling	
range	
Flammability	Flammable
Lower and upper explosion	No data available
limit/ flammability limit	
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition	No data available
temperature	
pH	5.5~7.5 (Concentration: Ethanol 45%~55%, quaternary
	ammonium salt 0.18%~0.22%; Temperature: 25 °C)
Kinematic viscosity	No data available
Solubility	No data available

Genea Surface Distinceting 10	According to GH5 fev 9			
Partition coefficient:	No data available			
n-octanol/water(log	He is the second of the second			
value)				
Vapour pressure	No data available			
Density and/or relative	No data available			
density				
Relative vapour density	No data available			
(air=1)				
Particle characteristics	Not applicable			
	10. Stability and reactivity			
Reactivity	Ethanol reacts slowly with calcium hypochlorite, silver oxide			
	and ammonia. This generates fire and explosion hazard. Reacts			
	violently with strong oxidants such as nitric acid, silver nitrate,			
	mercuric nitrate and magnesium perchlorate. This generates			
	fire and explosion hazard.			
Chemical stability	Stable under recommended storage conditions.			
Possibility of hazardous	No data available.			
reactions				
Conditions to avoid (e.g.	Heat and flame and spark. The extreme temperatures and			
static discharge, shock or direct sunlight. Static discharge.				
vibration)				
Incompatible materials	Avoid contact with strong oxidizing agents, alkalis, strong			
guisater till gigga lla	acids, etc.			
Hazardous decomposition	The decomposition products depend on temperature, air			
products	supply and other substances. Decomposition products may			
	include but are not limited to: carbon monoxide and carbon			
	dioxide, nitrogen oxide, chloride.			
	11.Toxicological information			
Routes of Entry: Dermal co	ontact, eye contact, inhalation, ingestion.			
Acute Toxicity				
Ethanol (CAS 64-17-5)	LD50 (Oral, rat): 10,470 mg/kg			
	LC50 (Inhalation, rat): 124.7 mg/l (4 h)			
	LD50 (Dermal, rabbit): N/A			
Di octyl dimethyl ammoniu	m LD50 (Oral, rat): N/A			
chloride (CAS 5538-94-3)	LC50 (Inhalation, rat): N/A			
	LD50 (Dermal, rabbit): N/A			
Di decyl dimethyl ammoniu				
chloride (CAS 7173-51-5)	LC50 (Inhalation, rat): N/A			
	LD50 (Dermal, rat): > 2,000 mg/kg			
Benzalkonium chloride (CA				
8001-54-5)	LC50 (Inhalation, rat): N/A			
,	LD50 (Dermal, rabbit): N/A			
Skin corrosion/Irritation	Not classified			

damage/irritation

Respiratory or skin Not classified

sensitization

Germ cell mutagenicity Not classified

Carcinogenicity Not classified Reproductive toxicity Not classified

STOT-single exposure Not classified STOT-repeated exposure Not classified Aspiration hazard Not classified

Chronic Effects Not classified

Further Information None.

12. Ecological information

Ecotoxicity

Aquatic Toxicity Test & Species

96 Hr LC50 fish: N/A 48 Hr EC50 Daphnia: N/A

72 Hr EC50 Algae: N/A

Persistence and

degradability

Not available

Bioaccumulative potential Not available

Mobility in soil Not available

Additional Information Harmful to aquatic life with long lasting effects.

13. Disposal considerations

WASTE DISPOSAL INSTRUCTIONS

Contact a qualified professional waste disposal service to dispose of this material.

Dispose of in accordance with local environmental regulations or local authority requirements.

14. Transport information

The Recommendation of Transport of Dangerous Goods(TDG)

UN Number UN 3175

Proper Shipping Name SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (contains

Ethanol)

Class/Division Division 4.1 Flammable Solids

Package Group PG II

Package Group PG Subsidiary risk —

labelling pictogram



H I

Maritime transport IMDG/

Being same with TDG/No

Marine pollutant (Yes/No)

Air transport ICAO-TI and Being same with TDG

IATA-DGR

15. Regulatory information

European/International Regulations

definition of Hazard OSHA: Hazardous by Communication

Standard(29CFR 1910.1200).

EINECS Status: The main components of this chemical (Except Benzalkonium

chloride) are included in EINECS inventory.

EPA TSCA Status: The main components of this chemical (Except Benzalkonium

chloride) are included in TSCA inventory.

The main components of this chemical are included in DSL. Canadian

DSL(Domestic Substances List):

HMIS(Hazardous Health: 0

Material Identification Flammability: 3

Physical hazard: 0 System Ratings): Personal protection: H

(4. Severe Hazard; 3. Serious Hazard; 2. Moderate Hazard; 1.

Slight Hazard; 0. Minimal Hazard)

WHMIS (Canadian B2, D2B (Ethanol).

Workplace Hazardous Material Identification System Ratings):

GB 12268-2012 List of This product is a dangerous goods on the GB 12268-2012 list of

dangerous goods. dangerous goods

16. other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

This Material Safety Data Sheet was based on the "Globally Harmonized System of Classification and Labelling of Chemicals", "Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations", "INTERNATIONAL MARITIME DANGEROUS GOODS CODE"," International Air Transport Association Dangerous Goods Regulations", the National Standards and other related dangerous chemicals management laws, regulations and standards, which are periodically updated and changed. To make dangerous goods / hazardous chemicals comply with the relevant requirements of the latest management, regularly update is recommended.

This Material Safety Data Sheet has been compiled in both English and Chinese. For any discrepancies, the Chinese version shall prevail.

Abbreviations and acronyms	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road RID: Regulations Concerning the International Transport of Dangerous Goods by Rail IMDG: International Maritime Code for Dangerous Goods IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent
Edit Date	EC50: Effective concentration, 50 percent 03.04.2020
Update and Revise	Original edition
Edit Standard	Globally Harmonized System of Classification and Labelling for Chemicals Part 1.5
Revised Institution	Technology Center of Hangzhou Customs District