

Material Safety Data Sheet

75% ALCOHOL WIPES

Version : V1.0.0.1

Report No. : HGNM20YLG5

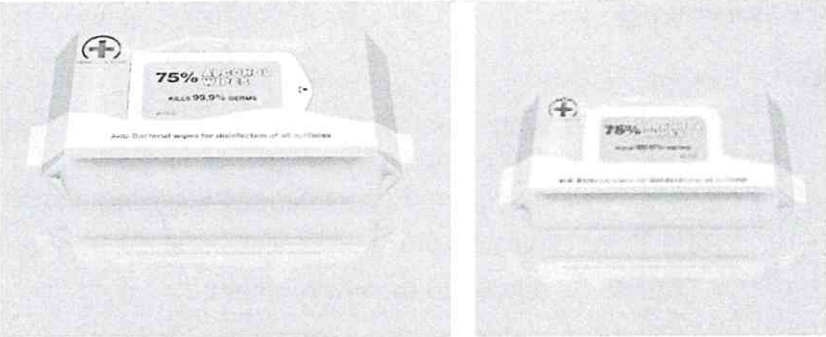
Creation Date : 2020/04/14

Revision Date : 2020/04/14

*Prepared according to UN GHS (the 8th revised edition)

1 Identification of the chemical and supplier

Product identifier

Product Name	75% ALCOHOL WIPES
Product Picture	
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

Details of the supplier of the Safety Data Sheet

Name of the company	Weifang Beiya sanitary products Co., Ltd.
Address of the company	Shandong Province Weifang City Linqu Conty Chengguan Sub-district Pianyi Road No. 677
Post code	—
Telephone number	15264449222
Fax number	—
E-mail address	—

Emergency phone number


Emergency phone number	057985255010
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2 Hazards identification

Hazard classification according to GHS

Flammable Solids	Category 1
Hazardous To The Aquatic Environment – Short-Term (Acute) Hazard	Category 2

| Label elements

Hazard pictograms	
Signal word	Danger

| Hazard statements

H228	Flammable solid
H401	Toxic to aquatic life

| Precautionary statements

◆ Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames 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.

◆ Response

P370+P378	In case of fire: Use appropriate extinguishing media mentioned in Section 5 of the MSDS to extinguish.
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◆ Storage

Storage	Not applicable
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◆ Disposal

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

◆ Physical and chemical hazards

	Highly flammable in case of fire or friction, its dust and air mixture can form explosive mixture.
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◆ Health hazards

Inhaled	Cough. Headache. Fatigue. Drowsiness.
Ingestion	Burning sensation. Headache. Confusion. Dizziness. Unconsciousness.
Skin Contact	Dry skin.
Eye	Redness. Pain. Burning.

◆ Environmental hazards

	This product is toxic to aquatic life. Please refer to 12th chapter of MSDS.
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3 Composition/information on ingredients

The difference between the single product and mixture: Mixture

Component	Cas No.	EC No.	Concentration (weight percent, %)
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ALCOHOL	64-17-5	200-578-6	75
RO PURE WATER	7732-18-5	231-791-2	24.5
BENZALKONIUMCHLORIDE	63449-41-2	264-151-6	0.5

Note: This product is a solid containing liquid. The Composition/information on ingredients is only for the liquid components in this product.

4 First aid measures

| Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (MSDS) to the doctor in attendance.
Eye contact	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Skin contact	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Ingestion	Rinse mouth. Refer for medical attention.
Inhalation	Fresh air, rest.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

| Most important symptoms and effects, both acute and delayed

1	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
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| Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

5 Firefighting measures

| Extinguishing media

Suitable extinguishing media	Small Fire : Dry chemical, sand, earth, water spray or regular foam; Large Fire : Water spray, fog or regular foam.
Unsuitable extinguishing media	Carbon dioxide, because it is basically ineffective against such fires.

| Specific hazards arising from the substance or mixture

1	Will form explosive mixtures with air.
2	Detonation may occur from heavy impact or excessive heating.
3	Flammable solid which burns and propagates flame easily, even when partly wetted with water.
4	May burn fiercely.
5	Any source of ignition, i.e. friction, heat, sparks or flame, may cause fire or explosion.
6	Development of hazardous combustion gases or vapor possible in the event of fire.
7	May expansion or decompose explosively when heated or involved in fire.

| Advice for firefighters

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.
4	Use water delivered as a fine spray to control fire and cool adjacent area.

- 5 | Cool closed containers exposed to fire with water spray.

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 vapours or mist.

| 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	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
2	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.
3	Sweep up and shovel. Keep in suitable, closed containers for disposal.

7 Handling and storage

| Precautions for handling

1	To prevent fire caused by electrostatic discharge steam, equipment on all metal parts should be grounded.
2	Use explosion proof equipment.
3	Handling is performed in a well ventilated place.
4	Avoid contact with eyes.
5	Keep away from heat/sparks/open flames/ hot surfaces.

| Precautions for 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.
5	Storage temperature should not be higher than 35 °C.

8 Exposure controls/personal protection

| Control parameters

◆ Occupational Exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
ALCOHOL 64-17-5	USA - OSHA	1000	1900	-	-
	South Korea	1000	1900	-	-
	Ireland	-	-	1000	-

	Germany (AGS)	500	960	1000	1920
	Denmark	1000	1900	2000	3800
	Australia	1000	1880	-	-

◆ Biological limit values

Biological limit values	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 160.1~GBZ/T 160.81-2004 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	Use explosion-proof electrical/ventilating/lighting/equipment.
4	Set up emergency exit and necessary risk-elimination area.

| Personal protection equipment

General requirement	
Eye protection	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).
Hand protection	Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.
Respiratory protection	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.
Skin and body protection	Wear fire/flare resistant/retardant clothing and antistatic boots.

9 Physical and chemical properties

| Physical and chemical properties

Appearance	Flaky solid (containing liquid)
Odor	Alcohol odor
Odor threshold	No information available
pH	7.0 (20°C, 10g/L, ALCOHOL)
Melting point/freezing point(°C)	-117 (ALCOHOL)
Initial boiling point and boiling range(°C)	79 (ALCOHOL)
Flash point(Closed cup, °C)	Not applicable
Evaporation rate	Not applicable
Flammability	Flammable
Upper/lower explosive limits[%(v/v)]	Upper limit : 19 (ALCOHOL); Lower limit : 3.3 (ALCOHOL)
Vapor pressure	Not applicable

Relative vapour density(Air = 1)	Not applicable
Relative density(Water=1)	0.79 (20°C, ALCOHOL)
Solubility(mg/L)	Partly miscible with water
n-octanol/water partition coefficient	-0.32 (ALCOHOL)
Auto-ignition temperature(°C)	363 (ALCOHOL)
Decomposition temperature(°C)	≥700 (ALCOHOL)
Kinematic viscosity	Not applicable
Particle characteristics	Flaky solid

10 Stability and reactivity

| Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	In contact with oxidants causes severe reactions, and may cause a fire or explosion. In contact with active metals (alkali metals, Na, Ca etc.) causes a reaction and release hydrogen.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Oxidants, alkali metals, alkaline earth metals and aluminum. Sodium, calcium, and other active metal, halogen, metal oxide, nonmetal oxide, acyl halide and metal phosphide.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

| Acute toxicity

Component	Cas No.	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
ALCOHOL	64-17-5	7060mg/kg(Rat)	No information available	39mg/L(Mouse)

| Carcinogenicity

ID	Cas No.	Component	IARC	NTP
1	64-17-5	ALCOHOL	Category 1	Not Listed
2	7732-18-5	RO PURE WATER	Not Listed	Not Listed
3	63449-41-2	BENZALKONIUMCHLORIDE	Not Listed	Not Listed

| Others

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Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met

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

12 Ecological information

| Acute aquatic toxicity

Component	Cas No.	Fish	Crustaceans	Algae
BENZALKONIUMCHLORIDE	63449-41-2	LC ₅₀ : 1.25mg/L (96h)(Fish)	EC ₅₀ : 0.04mg/L (48h)(Crustaceans)	No information available
ALCOHOL	64-17-5	LC ₅₀ : 11000mg/L (96h)(Fish)	EC ₅₀ : 9950mg/L (48h)(Crustaceans)	No information available

| Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
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| Persistence and degradability

Component	Cas No.	Persistence (water/soil)	Persistence (air)
ALCOHOL	64-17-5	Low(Half-life = 2.17 days)	Low(Half-life = 5.08 days)
RO PURE WATER	7732-18-5	Low	Low

| Bioaccumulative potential

Component	Cas No.	Bioaccumulative potential	comments
ALCOHOL	64-17-5	Low	Log Kow=-0.31
RO PURE WATER	7732-18-5	Low	Log Kow=-1.38

| Mobility in soil

Component	Cas No.	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (K _{oc})
ALCOHOL	64-17-5	High	1
RO PURE WATER	7732-18-5	Low	14.3

| Results of PBT and vPvB assessment

Component	Cas No.	Results of PBT and vPvB assessment (according to (EC) No 1907/2006)
ALCOHOL	64-17-5	not PBT/vPvB
RO PURE WATER	7732-18-5	not PBT/vPvB
BENZALKONIUMCHLORIDE	63449-41-2	not PBT/vPvB

13 Disposal considerations


| Disposal considerations

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

| Label and Mark

Transporting Label	
Marine pollutant	None

| IMDG-CODE

UN number	3175
UN proper shipping name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
Transport hazard class	4.1
Transport subsidiary hazard class	None
Packing group	II
Special provisions	216 274
Limited quantities	1kg
Excepted quantities	E2
Marine pollutant (Yes or no)	No
EmS No.	F-A,S-I

| ICAO/IATA-DGR

UN number	3175
UN proper shipping name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
Transport hazard class	4.1
Transport subsidiary hazard class	None
Packing group	II
Excepted quantities	E2
Passenger and Cargo Aircraft Limited Quantity Packing Instructions	Y441
Passenger and Cargo Aircraft Limited Quantity Maximum net Quantity per Package	5 kg
Passenger and Cargo Aircraft Packing Instructions	445
Passenger and Cargo Aircraft Maximum net Quantity per Package	15 kg

ALCOHOL	√	√	√	√	√	√	√	√	√
RO PURE WATER	√	√	√	√	√	√	√	√	√
BENZALKONIUMCHLORIDE	√	√	√	√	√	√	√	√	×

[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] Existing and Evaluated Chemical Substances

[AICS] Australia Inventory of Chemical Substances

[ENCS] Existing And New Chemical Substances

Note

"√" Indicates that the substance included in the regulations

"×" That no data or included in the regulations

16 Others

Information on revision

Creation Date	2020/04/14
Revision Date	2020/04/14
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:

http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en.

[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

PC-STEL- Short term exposure limit

DNEL - Derived No Effect Level

RPE - Respiratory Protective Equipment

LC₅₀ - Lethal Concentration 50%

NOEC -No Observed Effect Concentration

PBT - Persistent, Bioaccumulative, Toxic

BCF - Bioconcentration factor (BCF)

IMDG-International Maritime Dangerous Goods

CMR - Carcinogens, mutagens or substances toxic to reproduction

PC-TWA - Time Weighted Average

IARC - International Agency for Research on Cancer

PNEC –Predicted No Effect Concentration

LD₅₀ - Lethal Dose 50%

EC₅₀ - Effective Concentration 50%

POW - Partition coefficient Octanol: Water

vPvB - very Persistent, very Bioaccumulative

ICAO/IATA-International Civil Aviation Organization/International Air

Cargo Aircraft Packing Instructions	448
Cargo Aircraft Maximum net Quantity per Package	50 kg
Special provisions	A46
ERG code	3L

| UN-ADR

UN number	3175
UN proper shipping name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
Transport hazard class	4.1
Transport subsidiary hazard class	None
Packing group	II
Special provisions	216 274 601
Limited quantities	1 kg
Excepted quantities	E2
Packing instructions	P002 IBC06 R001
Special packing provisions	PP9
Mixed packing provisions	MP11
Portable tanks and bulk containers instructions	T3 BK1 BK2
Portable tanks and bulk containers special provisions	TP33
ADR tank code	-
ADR tank special provisions	-
Vehicle for tank carriage	AT
Transport category(Tunnel restriction code)	2 (E)
Special provisions for carriage(Packages)	V11
Special provisions for carriage(Bulk)	VC1 VC2 AP2
Special provisions for carriage(Loading, unloading and handling)	-
Special provisions for carriage(Operation)	-
Hazard identification No.	40
Notes	-

15 Regulatory information**| International chemical inventory**

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
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Transportation Association

UN-The United Nations

ACGIH-American Conference of Governmental Industrial Hygienists

NFPA-National Fire Protection Association

OECD-Organization for Economic Co-operation and Development

| Disclaimer

This Safety Data Sheet (MSDS) was prepared according to UN GHS (the 8th revised edition). 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.

