

COSMETIC PRODUCT SAFETY REPORT

APPLICANT :
ADDRESS :
TESTED SAMPLE DESCRIPTION : SANITIZING WIPES
TESTED STYLE / ITEM NO. : 02/0011 02/0012
SUPPLIER :
BUYER : OUT OF THE BLUE KG
COUNTRY OF ORIGIN : CHINA
EXPORTED TO : GERMANY
AGE REQUESTED ON APPLICATION FORM : NOT PRESENT
SAMPLE RECEIVED DATE : APR. 30, 2020
TEST PERIOD : APR. 30, 2020 TO MAY 14, 2020
CONCLUSIONS : PLEASE REFER TO NEXT PAGE(S).

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****



The above sample(s) and sample information was/were submitted and identified on behalf of the applicant.
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This test report does not entitle to carry any safety mark on this or similar products.

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COSMETIC PRODUCT SAFETY REPORT

EXECUTIVE SUMMARY**Product Name:** Sanitizing Wipes

(35 mL/10 wipes = 3.5 mL/wipe) (300 mL/50 wipes = 6 mL/wipe)

The product, *Sanitizing Wipes*, was evaluated for its safety for use as a cosmetic in accordance with Annex 1 of the Cosmetics Regulation (EC Regulation 1223/2009). This evaluation does not constitute a regulatory review, an assessment of compliance with any other Article of 1223/2009, or compliance with any other EEC Directives or Regulations.

The product, *Sanitizing Wipes*, consists of disposable wipes that are intended to be used as an antibacterial and daily hand cleaning product. Only the liquid component of the wipe was considered for this evaluation.

Assessment Conclusion

Based on the available data and information submitted by the client, *Sanitizing Wipes*, is not anticipated to pose a safety concern when used under conditions of normal and reasonably foreseeable use in compliance with the instructions indicated below.

Alcohol (CAS No. 64-17-5) in the product formulation at a concentration of 75% may cause eye irritation if the product comes into contact with the eyes; the use instructions provided by the client should indicate that contact with eyes should be avoided. Warnings on the product label (*i.e.*, "Avoid contact with eyes. If product enters eyes, rinse thoroughly with water.") adequately address this concern.

The assessment takes account of:

- a) The general toxicological profile of each ingredient used;
- b) The chemical structure of each ingredient;
- c) The level of exposure of each ingredient;
- d) The specific exposure characteristics of the areas on which the cosmetic product will be applied;
- e) The specific exposure characteristics of the class of individuals for which the cosmetic product is intended.

Additional Note:

- Given that the primary function of the *Sanitizing Wipes* is for biocidal/disinfectant purposes rather than as a cosmetic, the product, *Sanitizing Wipes*, is subject to additional Acts/Regulations (*e.g.*, EU Biocidal Products Regulation (Regulation (EU) No 528/2012)). A Cosmetic Product Safety Report is sufficient to evaluate the safety of the product; however, separate Acts/Regulations may apply, and it is the responsibility of the vendor to ensure compliance with those regulations.

Assessor's Credentials and Approval

(Signature)**Registered Toxicologist**

(Title)**Elliot Sigal, ERT, UKRT**

(Name, printed)**May 14, 2020**

(Date)

1.0 Introduction and disclaimer

The product, *Sanitizing Wipes*, was evaluated for its safety for use as a cosmetic in accordance with Annex 1 of the Cosmetics Regulation (EC Regulation 1223/2009). This evaluation does not constitute a regulatory review, an assessment of compliance with any other Article of 1223/2009, or compliance with any other EEC Directives or Regulations. Labelling requirements are only addressed as they apply to Annex 1 to VI of 1223/2009.

This evaluation was conducted based solely on the product formulation and the information provided by the client. It was assumed that all product formulation details are accurate and that there are no additional ingredients that are not listed. Chemical testing was not conducted as part of this product evaluation. It is the responsibility of the manufacturer of this product to ensure that any ingredients provided in the product formulation do not contain any impurities and/or contaminants (e.g., heavy metal(s) or lead) or infectious agents that would cause toxicity in a consumer who may be exposed to them.

The potential for physical injury (e.g., choking hazard or mechanical irritation) was not considered.

This evaluation is relevant solely to the conditions described herein. Any substitution of ingredients, increase in ingredient concentrations, or change in use pattern will necessitate a new evaluation.

2.0 PART A: COSMETIC PRODUCT SAFETY INFORMATION

2.1 Quantitative and Qualitative Composition of the Cosmetic Product

Table 1 Product Formulation - Sanitizing Wipes

INCI Name	CAS No.	EC No.	Function	% by Weight
Alcohol	64-17-5	200-578-6	Solvent	75.000%
Water (aqua)	7732-18-5	231-791-2	Solvent	24.900%
Glycerin	56-81-5	200-289-5	Humectant	0.100%

Abbreviations: CAS = Chemical abstract services number; EC = European Commission.

2.2 Physical/chemical Characteristics and Stability of the Cosmetic Product

2.2.1 Physical and chemical characteristics of the ingredients

Material safety data sheets (MSDSs) describing the physical and chemical characteristics of the individual ingredients were provided (Appendix 1).

Certificates of Analysis (CoAs) were not provided for any of the individual ingredients.

2.2.2 Physical and chemical characteristics of the product

A safety data sheet (SDS) describing the physical and chemical characteristics of the product was provided (Appendix 2). A CoA was not provided for the product.

2.2.3 Stability of the product

Stability information for the product, *Sanitizing Wipes*, was not available at the time of completion of this report.

2.3 Microbiological Quality

Microbiological test data was not provided.

According to the SCCS notes of guidance for the testing of cosmetic ingredients and their safety evaluation 9th Revision (2016a), it is generally accepted that for cosmetics specifically intended for children under three years of age the total viable count for aerobic mesophilic microorganisms should not exceed 100 CFU/g or mL. For all other products, the total viable count for aerobic mesophilic microorganisms should not exceed 1000 CFU/g or mL.

Escherichia coli, *Pseudomonas aeruginosa*, *Staphylococcus aureus*, and *Candida albicans* must not be detectable in 1 g or mL of the product.

Microbiological information for the product, *Sanitizing Wipes*, was not available at the time of completion of this report.

2.4 Impurities, Traces, Information about the Packaging Material

This product should comply with the following criteria:

According to the Cosmetic Regulation (EC) No 1223/2009, heavy metals such as lead, arsenic, cadmium, mercury and antimony are prohibited in cosmetics unless they are present at trace levels and their presence is inevitable with correct manufacturing processes. In addition, the product must be deemed safe. Health Canada that has proposed the following levels for heavy metals which are considered appropriate benchmarks to evaluate the safety of cosmetic products:

Lead 10 ppm, Arsenic 3 ppm, Cadmium 3 ppm, Mercury 1 ppm, and Antimony 5 ppm.

Information concerning the packaging material and components was not available at the time of completion of this report.

A copy of the product label for the product, *Sanitizing Wipes*, was provided (Appendix 3).

2.5 Normal and Reasonably Foreseeable Use

The product, *Sanitizing Wipes*, consists of disposable wipes that are intended to be used as an antibacterial and daily hand cleaning product. For use, the wipe is applied directly on the desired surface (*i.e.*, hands), and will last for 3 minutes. Each wipe contains 3.5 to 6 mL of liquid. Only the liquid component of the wipe was considered for this evaluation. Contact with the eyes should be avoided during use. The product is not intended to come into direct contact with children, and therefore, the minimum intended age of use was considered to be 8 years of age and older.

2.6 Exposure of the Cosmetic Product

Site of Application	Hands (860 cm ²)
Amount Applied	Dermal daily exposure estimate: 6 g/day (maximum exposure to the liquid contents of 1 wipe)
Targeted Population(s)	8 years of age and older (28.1 kg)
Retention Factor (RF)	1.00
Normal and Reasonably foreseeable exposure route(s)	Consideration was given to consumer exposure with intended product use and under circumstances involving reasonable foreseeable misuse. Intentional product misuse was not considered within the scope of the assessment. This evaluation was conducted under the assumption that potential acute exposure to product ingredients is through the dermal route and possibly the oral route through accidental ingestion. Chronic exposure is only considered <i>via</i> the dermal route given that chronic accidental ingestions is unlikely. The inhalation route was not evaluated since none of the chemicals in the product formulation were considered sufficiently volatile for inhalation exposure.
Calculated daily exposure (mg/kg/day) [Systemic Exposure Dose (SED)]	Dermal: 213.523 mg/kg/day [(6 g/day x 1.00 (RF) x 1,000 mg/g)/28.1 kg]

Note: Exposure considerations are based on data provided in Scientific Committee on Consumer Safety (SCCS), 2018.

2.7 Toxicological Profile of the Substances

Complete toxicological profiles of each ingredient are maintained at Intrinsic. A brief summary of the toxicological data used to support the safety of the ingredients in this product, including the calculated margin of safety (where applicable) is provided below. The following should be noted:

- All ingredients were found to be present at levels permitted by the Cosmetic Regulation 1223/2009.
- There are no nanoparticles in this formulation.

INCI Name	SED (mg/kg/day)	Effect Data (mg/kg/day)	Critical Effect	Margin of Safety	Reference	1223/2009 Listing Information
Alcohol	160.14225	206 (DNEL, dermal)	Not specified	N/A (SED < DNE L)	ECHA Registered Substances Database	Not listed (listed in the EU Cosmetic Ingredients and Substances database (CosIng) with no use restrictions).
Water	53.167227	Not toxic	N/A	N/A	N/A	Not listed (listed in the EU Cosmetic Ingredients and Substances database (CosIng) with no use restrictions).
Glycerin	0.213523	229 (DNEL, oral) ^a	Not specified	N/A (SED < DNE L)	ECHA Registered Substances Database	Not listed (listed in the EU Cosmetic Ingredients and Substances database (CosIng) with no use restrictions).

^a Dermal effect data not available.

Abbreviations: DNEL = Derived No Effect Level; ECHA = European Chemicals Agency; N/A = Not applicable; SED = systemic exposure dose (based on calculated daily exposure, i.e., dermal = 213.523 mg/kg/day x % by weight).

Alcohol (CAS No. 64-17-5)

Assessment of alcohol (CAS No. 64-17-5) was based on consideration of available animal data and human experience/use information. According to the European Chemicals Agency's Classification and Labelling Inventory database, alcohol (listed as ethanol) has been classified for eye irritation (Category 2) by the majority of industry notifiers. Potential for eye irritation is considered severe enough to warrant product classification given the concentration (*i.e.*, 75%) of alcohol in the product. Alcohol is listed in the EU Cosmetic Ingredients and Substances database with no use restrictions. The use of alcohol is not restricted by the Cosmetic Regulation (EC) No 1223/2009 (Annexes II to VI). Consideration was given to the low dermal absorption of ethanol making it unlikely that this ingredient would be associated with acute dermal toxicity. Alcohol is listed as a direct food additive for human consumption affirmed as Generally Recognized as Safe by the US FDA (multiple 21 CFR listings). Based on the available information, alcohol is considered to pose a safety concern (*i.e.*, eye irritation) at the concentration present in the product.

Glycerin (CAS No. 56-81-5)

Assessment of glycerin (CAS No. 56-81-5) was based on consideration of available animal data and human experience/use information. Glycerin (listed as glycerol) has not been classified for human health hazards by the majority of notifiers according to the European Chemicals Agency's Classification and Labelling Inventory database. According to the Cosmetic Ingredient Review, glycerin is considered safe as used in leave-on products and rinse-off products at concentrations up to 79.2% and 99.4%, respectively. Glycerin is used as an inactive ingredient in U.S. FDA approved drug formulations including topical formulations (up to 20%). Glycerin is listed in the EU Cosmetic Ingredients and Substances database with the following functions: denaturant, hair conditioning, humectant, oral care, perfuming, skin protecting, and viscosity controlling. The use of glycerin is not restricted by the Cosmetic Regulation (EC) No 1223/2009 (Annexes II to VI). Glycerin (listed as glycerin and glycerides) was also granted generally recognized as safe (GRAS) status by the U.S. FDA (no CFR citation). Based on the available information, glycerin is not considered to pose a safety concern at the concentration present in the product.

2.8 Undesirable Effects and Serious Undesirable Effects

No data on any undesirable effects has been submitted on this product.

2.9 Information on the Cosmetic Product

No other data has been submitted on this product.

2.10 References

European Chemicals Agency (ECHA). 2020a. Alcohol. Available at:

<https://echa.europa.eu/substance-information/-/substanceinfo/100.000.526>

European Chemicals Agency (ECHA). 2020b. Glycerin. Available at:

<https://echa.europa.eu/substance-information/-/substanceinfo/100.000.263>

Scientific Committee on Consumer Safety (SCCS). 2018. The SCCS Notes of Guidance for the Testing of Cosmetic Ingredients and Their Safety Evaluation. 10th Revision (SCCS/1602/18). Available at:

https://ec.europa.eu/health/sites/health/files/scientific_committees/consumer_safety/docs/sccs_o_224.pdf

3.0 PART B: COSMETIC PRODUCT SAFETY ASSESSMENT

3.1 **Assessment Conclusion**

Based on the available data and information submitted by the client, the product, *Sanitizing Wipes*, is not anticipated to pose a safety concern when used under conditions of normal and reasonably foreseeable use in compliance with the instructions indicated below.

Alcohol (CAS No. 64-17-5) in the product formulation at a concentration of 75% may cause eye irritation if the product comes into contact with the eyes; the use instructions should indicate that contact with eyes should be avoided. Warnings on the product label as described below, adequately address this concern.

Additional Note:

- Given that the primary function of the *Sanitizing Wipes* is for biocidal/disinfectant purposes rather than as a cosmetic, the product, *Sanitizing Wipes*, is subject to additional Acts/Regulations (e.g., EU Biocidal Products Regulation (Regulation (EU) No 528/2012)). A Cosmetic Product Safety Report is sufficient to evaluate the safety of the product; however, separate Acts/Regulations may apply, and it is the responsibility of the vendor to ensure compliance with those regulations.

3.2 **Labelled Warnings and Instructions of Use**

In accordance with Article 19(1)(d), the following warnings or instructions of use are required for this product, based on the potential eye irritation concern addressed in Section 3.1:

Avoid contact with eyes. If product enters eyes, rinse thoroughly with water.

The product formulation does not contain any ingredients listed in Annex II (List of Substances Prohibited in Cosmetic Products).

The product formulation does not contain any ingredients listed in Annexes III to VI.

3.3 **Reasoning**

The toxicological profile of substances in *Sanitizing Wipes* has been assessed. The formulation has been reviewed for the potential to be a skin irritant, sensitizer or photo-sensitizer.

All significant toxicological routes of absorption have been considered as well as the systemic effects.

The safety assessment of the product was based on consideration of available toxicological data and/or human experience/use information for individual ingredients. Where applicable, the exposure of the consumer to the ingredient under the intended use of the product (i.e., systemic exposure dose based on calculated relative daily exposure) was compared to critical effect levels to develop a margin of safety. Additional lines of evidence such as human experience or regulatory status of the ingredient that provide evidence for the safe use of the ingredient in the product were also considered.

3.4 Assessor's Credentials and Approval of Part B

(Signature)

Registered Toxicologist

(Title)

Elliot Sigal, UKRT, ERT

(Name, printed)

May 14, 2020

(Date)

APPENDIX 1: MATERIAL SAFETY DATA SHEETS (INGREDIENTS)

International Lacquers S.A.
Product name: Ethyl Alcohol

Printed: 05/04/14
Version: n°1 (05/04/2014)

MATERIAL SAFETY DATA SHEET**4. FIRST AID MEASURES**

In general, in case of doubt or if symptoms persist, consult a physician and show the product label or this MSDS. Never give anything by mouth to a person who is unconscious or likely to become so (state of shock, etc ...)

- Inhalation:** Move to fresh air, keep warm and get medical advice.
If breathing is irregular or stops, give artificial respiration (if possible give oxygen) and contact the local Emergency Services.
- Skin contact:** Remove soiled clothing, clean affected areas with copious amounts of soapy water.
- Eye contact:** In case of contact with eyes, rinse immediately with fresh water for 15 minutes holding eyelids open.
Refer the victim to an ophthalmologist immediately and show the product label or this MSDS; this should be treated as an emergency in case of symptoms (redness, pain, visual problems).
- Ingestion:** If quantity is small (less than a mouthful), rinse mouth with water. DO NOT induce vomiting. In all cases, seek medical attention.

5. FIRE-FIGHTING MEASURES**Extinguishing media:**

- **for minor fires:** Chemical powders, carbon dioxide and other extinguishing gases may be suitable for minor fires.
 - **recommended:** Special foam
 - **to avoid:** Water without additives.
- Prevention:** Avoid naked flames or other sources of ignition in areas where product is used; protect electrical equipment (risk of explosive zones). No smoking.
- Special fire fighting equipment:** Self-contained breathing apparatus to protect against toxic gases produced by combustion.

International Lacquers S.A.
Product name: Ethyl Alcohol

Printed: 05/04/14
Version: n°1 (05/04/2014)

MATERIAL SAFETY DATA SHEET**5. FIRE-FIGHTING MEASURES (CONTINUED)**

Special procedure: Exercise caution when fighting any chemical fire. Use water to keep the containers exposed to fire cool.
Avoid increase in pressure causing the release of the drum lid.
Fire often produces a dense black smoke; exposure to decomposition products constitutes a serious health hazard.
Do not inhale smoke.
Prevent fire-fighting effluent from entering drains, watercourses and/or environment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: As the product contains organic solvents and other highly inflammable substances, remove all possible sources of ignition and thoroughly ventilate premises.
Do not inhale fumes. Avoid skin and eye contact.
See Sections 7 et 8.

Environmental precautions: Prevent product from entering drains or watercourses.
If product contaminates ground water, rivers or drains (or is likely to do so), notify the relevant authorities, following the statutory procedures

Cleaning / taking up: Clean up any spills as soon as possible, using a non-combustible absorbent material to collect it, for example: sand, earth, vermiculite, diatomic earth.
Collect material into suitable drums for disposal in accordance with regulations (see Section 13).
It is preferable to clean with detergents, do not use solvents.

General: Handle in accordance with good industrial hygiene and safety procedures. Avoid naked flames or other sources of ignition in areas where product is used. No smoking.
Do not allow unauthorized persons into areas where product is used.

7. HANDLING AND STORAGE

Precautions in handling and storage: Handle empty containers with care because residual vapours are flammable.

International Lacquers S.A.
Product name: Ethyl Alcohol

Printed: 05/04/14
Version: n°1 (05/04/2014)

MATERIAL SAFETY DATA SHEET

7. HANDLING AND STORAGE (CONTINUED)

Technical protective measures:	<p>Provide proper grounding. Use only non-sparking tools. Do not use compressed air to either agitate or transfer the contents of storage containers (tanks) / shipping drums containing this material.</p> <p>Avoid build-up of static charges by:</p> <ul style="list-style-type: none"> •ensuring that flooring is conductive and keeping it clean. •ensuring that equipment in earthed during transfer or stirring of the product or preparations containing the product. •the use of antistatic shoes, clothing and packaging. <p>Fumes are heavier than air and they may spread at ground level and form explosive mixtures with air.</p> <p>Avoid the formation of explosive concentrations and concentrations above occupational exposure limits.</p>
Storage:	Store in tightly closed containers in a cool, dry, well-ventilated place, away from sources of ignition.
Handling:	Ensure prompt removal from eyes, skin and clothing.
Recommended equipment and procedures:	<p>For personal protection, see Section 8.</p> <p>Observe the precautions indicated on the label as well as workplace safety rules.</p> <p>Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.</p>

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values:	TLV	PEL
Ethyl Alcohol	1000 ppm	-
Respiratory protection:	If vapour concentrations exceed the established exposure limits, respiration protection is necessary, wear a gas mask with appropriate cartridge.	
Eye protection:	Use eye protection (chemical goggles or safety glasses) to avoid splashing.	
Hand protection:	Use gloves to prevent skin contact and possible irritation.	
Ingestion:	When using, do not eat, drink or smoke.	
Personal hygiene:	<p>Minimize breathing of vapour. Avoid prolonged contact with skin.</p> <p>Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.</p>	

International Lacquers S.A.
Product name: Ethyl Alcohol

Printed: 05/04/14
Version: n°1 (05/04/2014)

MATERIAL SAFETY DATA SHEET**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Translucent liquid.
Odor:	Fruit-like
Melting Point :	- 114 °C
Boiling Point/Range :	78 °C
Flash Point :	12 °C
Ignition temperature	363 °C
Explosive Limits % Vol:	Lower 3.3 Upper 19.0
Vapour pressure (hPa):	5.33 at 20°C
Specific gravity:	0.79 gr/cm ³ at 20 °C
Solubility in water:	Miscible
Viscosity at 25°C :	1.41 mPas
Log Pow	2.58 (experimental at 23 °C)

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to be avoided:	Heating
Materials to avoid:	Alkali metals, fluorine, hydrides, strong oxidizing agents, water with air and light
Hazardous decomposition:	Thermal decomposition may liberate carbon oxides

11. TOXICOLOGICAL INFORMATION

Exposure to levels above the values under the Section 8, or regular exposure even if levels are lower, of vapours from solvents present in the preparation may be harmful for health: the effects through inhalation of the vapours and/or contact with skin on long or short time are : Irritation of mucous membranes and respiratory tract, renal, liver and central nervous system affections.

Symptoms include headaches, dizziness, fatigue, muscular asthenia and, in extreme cases, unconsciousness.

Prolonged or repeated skin contact can lead to defatting, provoking non-allergic contact dermatitis and absorption of product through the skin.

Splashes to the eyes can cause irritation and irreversible damage (possibility of lesions of at least 24 hours' duration).

International Lacquers S.A.
Product name: Ethyl Alcohol

Printed: 05/04/14
Version: n°1 (05/04/2014)

MATERIAL SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

Toxicity: low toxicity.

Biological effects:

Fish toxicity (LC₅₀) L. idus 37620 mg / m³/10 h

Acute toxicity (LD50): 7060mg / kg

Inhalation: 4.3 mg / L × 50 minutes, and the head and face fever, cold extremities, headache; inhalation 2.6 mg / L × 39 minutes, and headache, no after effects.

Acute poisoning: Acute poisoning occurred in the oral. Generally be divided into excitement, hypnosis, anesthesia, asphyxia four phases. Patients entering the third or fourth stage, loss of consciousness, pupil dilation, irregular breathing, shock, heart and circulatory failure and respiratory arrest.

Chronic effects: The production of long-term exposure to high concentrations of vapors may cause nose, eye, mucous membrane irritation, as well as headache, dizziness, fatigue, irritability, tremor, and nausea.

13. DISPOSAL CONSIDERATIONS

Material Avoid release to the environment.

disposal: Dispose to an agreed waste collector / transporter for elimination or treatment as hazardous or special waste.
Dispose in a safe manner in accordance with local regulations.

Container: Empty containers /drums for storage or transport before giving to an agreed collector. Keep label (Flame, Class 3) on the container and dispose of it as hazardous waste.

14. TRANSPORT INFORMATION

Proper shipping name Ethyl Alcohol **UN:** 1170/1986/1987

ADR/RID:

H.L.: 30 **ADR/RID:** 3

Packaging Group II

IMDG

IMCO: 3 **EMS** 3-07

Packaging Group II **Flashpoint** + 12 °C

IATA/IACO

ICAO Label: Flammable liquid **Packaging Group** II

International Lacquers S.A.
Product name: Ethyl Alcohol

Printed: 05/04/14
Version: n°1 (05/04/2014)

MATERIAL SAFETY DATA SHEET**15. REGULATORY INFORMATION**

Symbols	Highly flammable	F
R Phrases	R11	Highly Flammable
	R66	Repeated exposure may cause skin dryness or cracking.
	R67	Vapours may cause drowsiness and dizziness.
S Phrases	S2	Keep out of reach of children.
	S7	Keep container tightly closed.
	S16	Keep away from sources of ignition - No smoking.

16. OTHER INFORMATION

The contents and format of this MSDS are in accordance with EEC Commission Directive 93/112/EEC.

DISCLAIMER OF LIABILITY The information contained in this MSDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Department issuing data specification sheet: EHS Department

End of document

Material Safety Data Sheet

Section 4- First Aid Measures

Eye Contact	Flush eyes with water as a precaution. Get medical attention immediately if symptoms occur.
Skin Contact	Rinse with water. Get medical attention immediately if symptoms occur.
Inhalation	Move to fresh air. Get medical attention immediately if symptoms occur.
Ingestion	Do not induce vomiting. Get medical attention immediately if symptoms occur.
Notes to Physician	Treat symptomatically.

Section 5- Fire-Fighting Measures

Flash Point	Not applicable
Method	No information available.
Autoignition Temperature	No information available.
Explosion Limits	
Upper	No data available
Lower	No data available
Suitable Extinguishing Media	Substance is nonflammable; use agent most appropriate to extinguish surrounding fire..
Unsuitable Extinguishing Media	No information available.
Hazardous Combustion Products	No information available.
Sensitivity to mechanical impact	No information available.
Sensitivity to static discharge	No information available.
Specific Hazards Arising from the Chemical	
None known.	
Protective Equipment and Precautions for Firefighters	
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear	
NFPA	Health 0 Flammability 0 Instability 0 Physical hazards N/A

Section 6- Accidental Release Measures

Personal Precautions	Use personal protective equipment.
Environmental Precautions	Should not be released into the environment.
Methods for Containment and Clean Up	Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.

Section 7- Handling and Storage

Handling	Handle in accordance with good industrial hygiene and safety practice.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8- Exposure Controls/Personal Protection

Material Safety Data Sheet

Engineering Measures

Ensure that eyewash stations and safety showers are close to the workstation location.

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

NIOSH IDLH: Immediately Dangerous to Life or Health

Personal Protective Equipment
Eye/Face Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure

Respiratory Protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Section 9- Physical and Chemical Properties

Physical State	Liquid
Appearance	Colorless
Odor	odorless
Odor Threshold	No information available.
pH	5.5 - 7.5@ 25°C
Vapor Pressure	No information available.
Vapor Density	0.694
Viscosity	No information available.
Boiling Point/Range	100°C / 212°F
Melting Point/Range	0°C / 32°F
Decomposition temperature °C	No information available.
Flash Point	Not applicable
Evaporation Rate	> 1 (Butyl Acetate = 1.0)
Specific Gravity	1.00
Solubility	No information available.
log Pow	No data available
Molecular Weight	20.14
Molecular Formula	H2O

Section 10- Stability and Reactivity

Stability	Stable under normal conditions.
Conditions to Avoid	None known.
Incompatible Materials	None known
Hazardous Decomposition Products	None known
Hazardous Polymerization	Hazardous polymerization does not occur
Hazardous Reactions .	None under normal processing.

Section 11- Toxicological Information

Eurofins Product Testing Hong Kong Limited

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Material Safety Data Sheet

Acute Toxicity

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	90 mL/kg (Rat)	Not listed	Not listed

Irritation No information available.

Toxicologically Synergistic Products No information available.

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

Sensitization No information available.

Mutagenic Effects No information available.

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

Other Adverse Effects See actual entry in RTECS for complete information.

Endocrine Disruptor Information No information available

Section 12- Ecological Information

Ecotoxicity

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Persistence and Degradability No information available

Bioaccumulation/ Accumulation No information available

Mobility No information available

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

Section 13- Disposal Considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

Section 14- Transport Information

Material Safety Data Sheet

UN DOT Hazard Class: Not regulated

International transport regulations

ICAO: Not regulated

IATA: Not regulated

IMDG/IMO: Not regulated

Section 15-Regulatory Information

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	CHINA	KECL
Water	X	X	-	231-791-2	-		X	-	X	X	KE-35400 X

Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

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Material Safety Data Sheet

SARA 313
Not applicable

SARA 311/312 Hazardous Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act
Not applicable

Clean Air Act
Not applicable

OSHA
Not applicable

CERCLA
Not Applicable

California Proposition 65
This product does not contain any Proposition 65 chemicals.

State Right-to-Know
Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security
This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Non-controlled

Section 16- Other Information

Material Safety Data Sheet

DISCLAIMER OF LIABILITY: The Information contained in this MSDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Department issuing data specification sheet: Quality Department

Approved: Laboratory

End of document

**MATERIAL SAFETY DATA SHEET**

Page 1/7

Group of Chemicals:	Glycerine	MSDS no :016
Commercial Name :	Refined Glycerine	Date issue : 24 July 2009
Common Name/Other Name:	Glycerine 99%/1,2,3-Propanetriol	

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF SUPPLIER**Product name:**

Glycerine 99.5%, Glycerine 99.7% (USP/BP)

Trade name

Glycerine 99.5%, Glycerine 99.7% (USP/BP)

Recommended uses: Raw material for manufacturing oleochemical derivatives
for Pharmaceutical, food, cosmetic and industrial use.

Supplier name:**Emergency contact:****Contact Person :**

- 1) Safety and Health Manager / Officer
- 2) Quality Control Manager / Chemist

SECTION 2. HAZARDS IDENTIFICATION

Product is non-hazardous

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MATERIAL SAFETY DATA SHEET

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Group of Chemicals:	Glycerine	MSDS no :016
Commercial Name :	Refined Glycerine	Date issue : 24 July 2009
Common Name/Other Name:	Glycerine 99%/1,2,3-Propanetriol	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description:

Glycerine , 1,2,3 –Propanetriol , formula $C_3H_8O_3$ CAS-number:
56-81-5EINECS- number:
200-289-5**SECTION 4. FIRST-AID MEASURES**

When inhaled:

Remove to fresh air. If suffocation is serious take to a doctor

When in contact with skin :

Use gloves

Absorb water from skin/body if contacted for too long

Remove contaminated clothing, wash skin with water and soap

When in contact with eyes:

Use face shield

Flush with water, take to a doctor if necessary

When ingested:

Diarrhoea, headache, nausea

Rinse mouth, drink plenty of water, see physician

SECTION 5. FIRE-FIGHTING MEASURES

Suitable fire-fighting agents:

Use dry powder, foam, carbon dioxide for extinguishing

Extinguishing media which must not be used for safety reasons:

None

Specific hazards in the event of fire:

Combustible, keep away from open flame, no smoking



MATERIAL SAFETY DATA SHEET

Page 3/7

Group of Chemicals:	Glycerine	MSDS no :016
Commercial Name :	Refined Glycerine	Date issue : 24 July 2009
Common Name/Other Name:	Glycerine 99%/1,2,3-Propanetriol	

Protection of fire-fighters (use of protective equipment, etc.):
Use self-contained breathing equipment if in confined place

SECTION 6. ACCIDENT RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Use gloves, face shield

Environmental precautions:
Do not allow to flow into drainage system.

Methods and materials for containment and cleaning up:
Collect leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place. Flush away remainder with water.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:
Use gloves and wear goggles when handling.

Conditions for safe storage, including any incompatibilities:
Keep in a cool and dry place, avoid extreme heat and cold.
Avoid direct fire. Keep separate from oxidants.
Store in clean, dry, preferably stainless steel vessels.
In bulk, store at ambient temperature. For pumping, heat up to above 60 deg C.
Temperature higher than necessary degrades quality at rate dependent on time and temperature of exposure. Exposure to ultraviolet light, especially sunlight must be minimised to prevent quality loss..

SECTION 8. EXPOSURE CONTROLS /PERSONAL PROTECTION

Control parameters:
None

Appropriate engineering controls:
No special measures required.

Individual protection measures, such as personal protective equipment (PPE):



MATERIAL SAFETY DATA SHEET

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Group of Chemicals:	Glycerine	MSDS no :016
Commercial Name :	Refined Glycerine	Date issue : 24 July 2009
Common Name/Other Name:	Glycerine 99%/1,2,3-Propanetriol	

Immediately remove soiled or soaked clothing.
Hand protection : suitable protective gloves.
Eye protection : protective goggles.
Body protection: suitable protective clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless, hygroscopic & viscous liquid. (become very viscous at temperature -10 deg C and below)
Odour	Slight Milky to Odourless
Odour threshold	Not available
pH	Not available
Melting point / freezing point	18 - 22
Initial boiling point and boiling range	290 - 295 °C @ 760mm Hg
Flash point	>180 °C
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not available
Vapour pressure	0.0025 mbar @ 50°C
Vapour density	3.2 (relative, air=1)
Relative density	1.0 @ 20 °C at saturated mixture vapour/air (air=1)
Solubility	Infinite g/100 ml in water @ 20 °C
Partition coefficient: n-octanol/water	-2.6
Auto-ignition temperature	400 °C (Cleveland closed cup)
Decomposition temperature	Not available
Viscosity	Not available
Density @ 20 °C	1.2635 – 1.2651 g/ml
Relative molecular mass	92.1

SECTION 10. STABILITY AND REACTIVITY

Reactivity:

Vapour mixes readily with air.

Chemical stability:

Able to polymerise above 149 deg C. Decomposes when heated above 290 deg C

Possibility of hazardous reactions:

None known

Conditions to avoid:

None known

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MATERIAL SAFETY DATA SHEET

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Group of Chemicals:	Glycerine	MSDS no :016
Commercial Name :	Refined Glycerine	Date issue : 24 July 2009
Common Name/Other Name:	Glycerine 99%/1,2,3-Propanetriol	

Incompatible materials :

Reacts violently with strong oxidants

Hazardous decomposition products:

Low toxicity and not considered hazardous to human beings

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD50 (Oral, rat) = >12600 mg/kg

LC50(Inhalation, rat) = >570mg/m3/1Hr

Skin corrosion/irritation:

LD50 rabbit >10 gm/kg, not irritating (Draize test)

Serious eye damage/irritation:

Not irritating (OECD 405)

Respiratory or skin sensitization:

No sensitization reactions.

Germ cell mutagenicity:

Not mutagenic (Ames test)

Carcinogenicity:

Not available

Reproductive toxicity:

Not available

STOST-single / repeated exposure:

Not available

Aspiration hazard:

Not available

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity :

Acute fish toxicity:

LC 50 > 10000 mg product/l.

Carp, LC50: >1000mg/L(48h);

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MATERIAL SAFETY DATA SHEET

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Group of Chemicals:	Glycerine	MSDS no :016
Commercial Name :	Refined Glycerine	Date issue : 24 July 2009
Common Name/Other Name:	Glycerine 99%/1,2,3-Propanetriol	

Acute bacteria toxicity: EC 50 > 10000 mg product/l.
Daphnia magna, EC50:>1000mg/L(3h)

Persistence and degradability:
Readily biodegradable, OECD 301

Bioaccumulative potential:
Log P octanol /water = -2.6

Mobility in soil:
Not available

Other adverse effect:
Not available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal method:
Waste incineration with the approval of the responsible local authority.

SECTION 14. TRANSPORT INFORMATION

UN Number:
None

UN Proper Shipping Name:
None

Transport Hazard Class:
Not hazardous according to RID/ADR, GGVS/GGVE, ADN, IMDG, ICAO-TI/IATA-DGR.

Packing Group:
None

Environmental Hazard:
Marine pollutant (Yes/No): No
MARPOL Annex II: Category Z



MATERIAL SAFETY DATA SHEET

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Group of Chemicals:	Glycerine	MSDS no :016
Commercial Name :	Refined Glycerine	Date issue : 24 July 2009
Common Name/Other Name:	Glycerine 99%/1,2,3-Propanetriol	

SECTION 15. REGULATORY INFORMATION

Classification and labelling according to GHS:
None

Classification and labelling according to EC:
None

SECTION 16. OTHER INFORMATION

Always work safely around open hatches on bulk tanks. The low density makes flotation difficult for immersed person.

Disclaimer

This Material Safety Data Sheet does not constitute any warranty or guarantee as to the quality, properties, condition or otherwise of the product. It has been prepared from the best knowledge available to us and we shall not be liable for any insufficiency or inaccuracy in such information in any case whatsoever.

APPENDIX 2: MATERIAL SAFETY DATA SHEET (PRODUCT)

Applicant :

Address :

Sample Name : Disinfecting wet wipe(with alcohol)

Composition/Ingredient of : See Section 3 on the SDS

The Sample (as per client submission)

Service Requested : Preparation of Safety Data Sheet (SDS)for the sample with submitted information

Summary : As per request, the contents and formats of the SDS are prepared in according with EU Regulations Regulation (EC) No. 1907/2006 and 1272/2008, and is provided per attached.

Manufacturer :

Country of Origin : China

Test Report Form No. : TTRF_SDS_A

TRF Originator : TÜV AUSTRIA (SHANGHAI) CO., LTD

Master TRF : Dated 2019-09

Receiving Date : Apr 21, 2020

Preparation period : Apr 21 – Apr 23, 2020

ABC (sign)
ABC, Technical Director
TÜV AUSTRIA (Shanghai) Co. Ltd.

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1 Product identifier

Trade name: Disinfecting wet wipe(with alcohol)
1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture: Disinfection
1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:

Zhejiang Jiayan Daily Commodity Co.,Ltd

#10 Weiya Road, Shangxi Town Yiwu City, Zhejiang Province

Tel: +86-(0)18966038118

Email: 651282901@qq.com

Only Representative/ other EU contact point: Not available

Further information obtainable from: Zhejiang Jiayan Daily Commodity Co.,Ltd

1.4 Emergency telephone number:

Zhang Xinghua

Tel: +86-(0)579-85853006

Email: 651282901@qq.com

Germany

Poison Center Berlin- Institute of Toxicology

Tel: +49 03019240

1.6 Remark:

This sample is likely to be classified as cosmetic product and/or disinfection product and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006. This SDS is generated for client's reference only.

SECTION 2: Hazards identification
2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of Regulation (EC) No 1272/2008.

Classification system:

The classification is according to the latest edition of Regulation (EC) No 1272/2008, and extended by company and literature data.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms


GHS02

Signal word Danger

Hazard-determining components of labelling: Not applicable.

Hazard statements

H225 Highly flammable liquid and vapour.

Precautionary statements

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

(Contd. on page 3)

EU

Trade name: Disinfecting wet wipe(with alcohol)

(Contd. of page 2)

- P103 Read label before use.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P241 Use explosion-proof (electrical/ventilating/lighting) equipment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:

Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.

Composition:

CAS: 64-17-5	ethanol	Flam. Liq. 2, H225	75.0%
EINECS: 200-578-6			
Index number: 603-002-00-5			
CAS: 7732-18-5	Water		24.9%
EINECS: 231-791-2			
CAS: 56-81-5	glycerol	substance with a Community workplace exposure limit	0.1%
EINECS: 200-289-5			

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

(Contd. on page 4)

EU

Trade name: Disinfecting wet wipe(with alcohol)

(Contd. of page 3)

- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:**
Mouth respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **6.2 Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Dispose contaminated material as waste according to item 13.
- **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**
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
For the general occupational hygienic measures refer to Section 8.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
Requirements to be met by storerooms and receptacles: Store in a cool location.
Information about storage in one common storage facility: Store away from foodstuffs.
Further information about storage conditions:
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

64-17-5 ethanol

AGW (Germany) Long-term value: 380 mg/m³, 200 ppm
4(II);DFG, Y

(Contd. on page 5)

EU

Trade name: Disinfecting wet wipe(with alcohol)

(Contd. of page 4)

VLEP (France) Short-term value: 9500 mg/m³, 5000 ppm
Long-term value: 1900 mg/m³, 1000 ppm

WEL (Great Britain) Long-term value: 1920 mg/m³, 1000 ppm

56-81-5 glycerol

AGW (Germany) Long-term value: 200 E mg/m³
2 (I); DFG, Y

VLEP (France) Long-term value: 10 mg/m³

WEL (Great Britain) Long-term value: 10 mg/m³
Regulatory information

AGW (Germany): TRGS 900

VLEP (France): ED 1487 12.2019

WEL (Great Britain): EH40/2020

DNELs: Data not available.

PNECs: Data not available.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure

Appropriate engineering controls

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

See Section 7 for information about design of technical facilities.

Personal protective equipment

Respiratory protection: Suitable respiratory protective device recommended.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:


Tightly sealed goggles

Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

EU

(Contd. on page 6)

Trade name: Disinfecting wet wipe(with alcohol)

(Contd. of page 5)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Liquid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Data not available.
pH-value:	Data not available.
Change in condition:	
Melting point/freezing point:	Data not available.
Initial boiling point and boiling range:	Data not available.
Flash point:	Data not available.
Flammability (solid, gas):	Not applicable.
Auto-ignition temperature:	Data not available.
Decomposition temperature:	Data not available.
Self-igniting:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits	
Lower:	Data not available.
Upper:	Data not available.
Oxidizing properties:	Data not available.
Vapour pressure:	Data not available.
Density:	Data not available.
Relative density:	Data not available.
Vapour density:	Data not available.
Evaporation rate:	Data not available.
Solubility in / Miscibility with water:	Data not available.
Partition coefficient (n-octanol/water):	Data not available.
Viscosity:	
Dynamic:	Data not available.
Kinematic:	Data not available.
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No decomposition if used according to specifications.
- 10.2 Chemical stability Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

(Contd. on page 7)

Trade name: Disinfecting wet wipe(with alcohol)

(Contd. of page 6)

SECTION 11: Toxicological information
11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:
64-17-5 ethanol

Oral LD50 7,060 mg/kg (rat)

Inhalative LC50/4 h 20,000 mg/l (rat)

56-81-5 glycerol

Oral LD50 4,090 mg/kg (mouse)

12,600 mg/kg (rat)

27,000 mg/kg (rabbit)

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.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity 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.

SECTION 12: Ecological information
12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

12.7 Additional ecological information:
General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations
13.1 Waste treatment methods
Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.


EU

(Contd. on page 8)

Trade name: Disinfecting wet wipe(with alcohol)

(Contd. of page 7)

SECTION 14: Transport information

14.1 UN-Number	UN3175
ADR/RID/ADN, IMDG, IATA	
14.2 UN proper shipping name	3175 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
ADR/RID/ADN	
IMDG	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
IATA	ETHANOL SOLUTION
14.3 Transport hazard class(es)	
ADR/RID/ADN, IMDG, IATA	
	
Class	4.1 Flammable liquids.
Label	4.1
14.4 Packing group	II
ADR/RID/ADN, IMDG, IATA	
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	22
EMS Number:	F-A, S-I
Stowage Category	A
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
14.8 Transport/Additional information:	
ADR/RID/ADN	
Limited quantities (LQ):	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category:	2
Tunnel restriction code:	D/E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 3175 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 4.1, II

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

MAK(German Maximum Workplace Concentration)

64-17-5 ethanol

5

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category P5c FLAMMABLE LIQUIDS

(Contd. on page 9)

EU

Trade name: Disinfecting wet wipe(with alcohol)

(Contd. of page 8)

- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000t
- National regulations:
- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Other regulations, limitations and prohibitive regulations

SVHC Candidate List of REACH Regulation Annex XIV Authorisation

None of the ingredients is listed.

REACH Regulation Annex XVII Restriction

See Section 16 for information about restriction of use.

None of the ingredients is listed.

REACH Regulation Annex XIV Authorisation List

None of the ingredients is listed.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information
Relevant hazard statements

H225 Highly flammable liquid and vapour.

Classification according to Regulation (EC) No 1272/2008

Flammable liquids | Bridging principles

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods IATA:
International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH) LC50:
Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic vPvB:
very Persistent and very Bioaccumulative Flam.
Liq. 2: Flammable liquids – Category 2

End of document

EU

APPENDIX 3: PRODUCT LABEL



**Other Information / Remark:**

The assessment report was subcontracted to lab: IHSI.

END OF THE REPORT