



M.M.C. International B.V.

SDS – Safety Data Sheet

According to 1907/2012/EG

1. Identification of the substance/mixture and of the company

1.1 Product identifiers

Product name : MMC Disinfectant Hand Sanitizer 76%

Product number :

Standard Grade: DHSSG200/DHSSG250/DHSSG500/DHSSG1000/DHSSG5000/DHSSG25000

Medical Grade: DHSMG200/DHSMG250/DHSMG500/DHSMG1000/DHSMG5000/DHSMG25000

GEL Standard Grade: DHGSG200/ DHGSG250/ DHGSG500/DHGSG1000/DHGSG5000/DHGSG25000

GEL Medical Grade: DHGGMG200/DHGGMG250/DHGGMG500/DHGGMG1000/ DHGGMG5000 DHGGMG25000

Brand : MMC International

1.2 Relevant identified uses of the substance or mixture

Recommended use : In-door use Hand Sanitizer Human hygiene biocidal products
For further information, refer to the product technical data sheet.

1.3 Details of the supplier of the safety data sheet

Company : M.M.C. International B.V.
Frankenthalerstraat 16-18
4816KA Breda

The Netherlands

Telephone : +31 76-5711140

Fax : +31 76-5719300

E-mail address : Info@mmcinter.com

1.4 Emergency telephone number

Emergency Phone # : 112/911

National Poison Information Centre #: +3130-2748888

2. Hazards identification

2.1 Classification of the substance or mixture

GHS Classification

Flammable liquids : Category 2

Serious eye damage/eye irritation : Category 2A 0642

GHS Label element

Hazard pictograms:





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Signal word: Danger

2.2 Label elements

Hazard statement(s)

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statement(s)

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

Prevention:

P233 Keep container tightly closed.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

2.3 Other hazards

Non-Known

3. Composition/information on ingredients

3.1 Mixture: Recipe According WHO World Health Organisation

Component	CAS-No.	EC-No	Remarks
Glycerine1.2.3.	56-81-5	200-289-5	
Water (distilled)	7732-18-5	231-791-2	
Ethyl alcohol (99,5 %)	64-17-5	200-578-6	
Hydrogen Peroxide	7722-84-1	231-765-0	Medical grade and
Tea tree	85085-48-9	285-377-1	Standard grade only

4. First aid measures

4.1 Description of first aid measures

General advice: If you feel unwell, seek medical advice (show the label where possible).

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.

If swallowed: Do NOT induce vomiting. Rinse mouth.

Most important symptoms and effects, both acute and delayed: Tiredness Eye irritation

Light-headedness giddiness



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Notes to physician: For specialist advice physicians should contact the Poisons Information Service.

5. Firefighting measures

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbondioxide.

Unsuitable extinguishing media:

none

Hazardous combustion products:

No hazardous combustion products are known

Specific extinguishing methods:

Standard procedure for chemical fires.

Special protective equipment for firefighters:

Use personal protective equipment. Carbon dioxide, dry chemical powder, appropriate foam, water fog or fine spray

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Environmental precautions :

Should not be released into the environment.

Use personal protective equipment. Ventilate area of spill. Avoid contact with skin, eyes and inhalation of vapors. Remove sources of ignition (i.e. open flames, sparks).

7. Handling and storage

Advice on protection against fire and explosion:

Keep away from sources of ignition - No smoking.

Vapours may form explosive mixtures with air.

Vapours are heavier than air and may spread along floors.

Advice on safe handling:

Keep away from heat.

Conditions for safe storage:

Store at room temperature in the original container.

Materials to avoid:

Keep away from food and drink.



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8. Exposure controls/personal protection

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	STEL	1.000 ppm	ACGIH

Personal protective equipment

Protective measures : No special protective equipment required.

Hygiene measures : Do not get in eyes.
Keep away from food and drink.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: liquid

Colour:	colourless
Odour:	alcohol-like
pH:	No data available
Melting point/range:	not determined
Boiling point/boiling range:	>35 °C
Flash point:	20 °C
Method:	ISO 3679
Lower explosion limit / Lower flammability limit:	Lower flammability limit 62 g/m ³
(20 °C) Method:	DIN EN 1839
Vapour pressure:	No data available
Density:	0,81 g/cm ³ (20 °C)
Solubility(ies)	
Water solubility:	completely miscible

10. Stability and reactivity

Reactivity:	No decomposition if stored and applied as directed.
Chemical stability:	The product is chemically stable.
Possibility of hazardous reactions:	None reasonably foreseeable.
Conditions to avoid :	Heat, flames and sparks. Strong sunlight for prolonged periods.
Incompatible materials:	None open flame, spark), light, bases, reducing agents, potassium, acid anhydrides



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11. Toxicological information

Acute dermal toxicity: Method:	Acute toxicity estimate: > 5.000 mg/kg Calculation method
Components:	Ethanol (CAS: 64-17-5):
Acute oral toxicity: Method:	LD50 Oral (Rat): 10.470 mg/kg OECD Test Guideline 401
Acute inhalation toxicity: Test atmosphere: Method:	LC50 (Rat): 51 mg/l Exposure time: 4 h vapour OECD Test Guideline 403

12. Ecological information

Ecotoxicity	
Product: Toxicity to fish	
Toxicity to daphnia and other aquatic invertebrates:	Remarks: No data available
Toxicity to algae:	Remarks: No data available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):	Remarks: No data available
Toxicity to microorganisms :	Remarks: No data available
Components:	Ethanol (CAS: 64-17-5):
Toxicity to fish:	LC50 (Fish): 13.000 mg/l
Exposure time:	96 h
Method:	OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): 12.340 mg/l Exposure time: 48 h
Toxicity to algae:	EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h
Method:	OECD Test Guideline 201

13. Disposal considerations

Disposal methods

Waste from residues: Dispose of as hazardous waste in compliance with local and national regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Contaminated packaging: Empty remaining contents. Store containers and offer for recycling of material when in accordance with the local regulations. Dispose in accordance with federal, state and local environmental control regulations.

Packing



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Empty containers should be taken for local recycling, recovery or waste disposal.
No special treatment/disposal required.

14. Transport information

ADR	
UN number:	UN 1993
Proper shipping name:	FLAMMABLE LIQUID, N.O.S. (ethanol)
Class:	3
Packing group:	II
Labels:	3
Hazard Identification Number:	33
Tunnel restriction code:	(D/E)
UNRTDG	
UN number:	UN 1993
Proper shipping name:	FLAMMABLE LIQUID, N.O.S.
(ethanol)	
Class:	3
Packing group:	II
Labels:	3
IATA-DGR	
UN/ID No.:	UN 1993
Proper shipping name:	Flammable liquid, n.o.s.
(ethanol)	
Class:	3
Packing group:	II
Labels:	Class 3 - Flammable Liquid
Packing instruction (cargo air- craft):	364
Packing instruction (passenger aircraft):	353
IMDG-Code	
UN number:	UN 1993
Proper shipping name:	FLAMMABLE LIQUID, N.O.S.
(ethanol)	
Class:	3
Packing group:	II
Labels:	3
EmS Code:	F-E, S-E
Marine pollutant:	no

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.



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15. Regulatory information

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

16. Other information

16.1 Risks

Using this product under normal, properly instructed procedures should not be hazardous.

16.2 Further Information

The information above is believed to be accurate and represents the best information currently available to us but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.