

SAFETY DATA SHEET

MH73 – Alcohol Free Sanitiser

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

1.1. Product identifier

Trade name: **Alcohol Free Sanitiser**

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

Main use category: Consumer use

Use of the substance/mixture: Hand sanitizer

1.3. Details of the supplier of the safety data sheet

Company and address

Modu Hygiene, 7 Cavalier Road, Heathfield Industrial Estate, Newton Abbot, TQ12 6TQ
01626 333123

www.moduhygiene.com

info@moduhygiene.com

Revision: 14/02/2025

SDS Version: 1.0

1.4. Emergency Telephone Number:

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 112 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards - Not Classified

Health hazards - Not Classified

Environmental hazards - Not Classified

2.2. Label elements

Hazard statements NC - Not Classified

SECTION 3: Composition/information on ingredients

3.1. Mixtures

COCAMIDOPROPYL BETAINE 1-5%

CAS number: 61789-40-0 EC number: 263-058-8

Classification

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

Didecyldimethylammonium chloride (DDAC) 0.28%

CAS number: 7173-51-5 EC number: 230-525-2

M factor (Acute) = 10

Acute Tox. 4 - H302

Skin Corr. 1B - H314

Eye Dam. 1 - H318

Aquatic Acute 1 - H400
Aquatic Chronic 2 - H411
Alkyl (C12-16) dimethylbenzyl ammonium chloride
(ADBAC/BKC (C12-16))
0.10%
CAS number: 68424-85-1 EC number: 270-325-2
M factor (Acute) = 10 M factor (Chronic) = 1
Classification
Acute Tox. 4 - H302
Skin Corr. 1A - H314
Eye Dam. 1 - H318
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Unlikely route of exposure as the product does not contain volatile substances.
Ingestion: Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Keep affected person under observation. Get medical attention if a large quantity has been
Ingested: Skin contact In the event of any sensitisation symptoms developing, ensure further exposure is avoided.
Eye contact: Do not rub eye. Remove any contact lenses and open eyelids wide apart. Wash with plenty of water.

4.2. Most important symptoms and effects, both acute and delayed

General information: The product is considered to be a low hazard under normal conditions of use.
Inhalation: No adverse effects known.
Ingestion: No adverse effects known. May cause discomfort.
Skin contact: No adverse effects known.
Eye contact: No adverse effects known.

4.3. Indication of any immediate medical attention and special treatment needed

Specific treatments: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: The product is not flammable. Use fire extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards: None known.

5.3. Advice for firefighters

Protective actions during firefighting: No specific firefighting precautions known.
Special protective equipment for firefighters: Use protective equipment appropriate for surrounding materials.

Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Do not touch or walk into spilled material. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

Environmental precautions Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections for waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions No specific requirements are anticipated under normal conditions of use.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions No specific requirements are anticipated under normal conditions of use.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2. Refer to Product Use Guide (PUG) for further information.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

CITRIC ACID MONOHYDRATE

Long-term exposure limit (8-hour TWA): 4 mg/m³

Short-term exposure limit (15-minute): 10 mg/m³

8.2. Exposure controls

Protective equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: Colourless.

Appearance: Mobile liquid

pH - pH (concentrated solution): 4.5 - 5.5

Flash point: Not applicable.

Other flammability: Not applicable.

Relative density: ~ 1.006

Solubility(ies): Soluble in water.

Auto-ignition temperature: Not applicable.

Decomposition Temperature: Not determined.

Viscosity: Non-viscous.

Explosive properties: Not applicable.

Oxidising properties: The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Refractive index 2.5 - 3.5

Volatile organic compound - This product contains a maximum VOC content of <1%.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability: Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.4. Conditions to avoid

Conditions to avoid: There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid: No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products Hazardous decomposition products:

Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects: Information given is based on data of the components and of similar products.

Skin corrosion/irritation

Skin corrosion/irritation: Based on available data the classification criteria are not met.

Extreme pH: Moderate pH (> 2 and < 11.5).

Serious eye damage/irritation

Serious eye damage/irritation: Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation: Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation: Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro - Based on available data the classification criteria are not met.

Genotoxicity - in vivo - Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity: Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity: fertility - Based on available data the classification criteria are not met.

Reproductive toxicity: development - This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity: single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

General information This product has low toxicity.

SECTION 12: Ecological information

Ecotoxicity - Not regarded as dangerous for the environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability - The product is biodegradable.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility - Soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment - This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects - None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information: Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor.

Disposal methods: dispos

e of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Discharge of small quantities to the sewer with plenty of water may be permitted.

SECTION 14: Transport information

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to
Annex II of MARPOL 73/78 Not applicable.

SECTION 15: Regulatory information

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

EU legislation - Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

Guidance - EH40/2005 Workplace exposure limits. Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations 2002 (as amended) Health and Safety Executive

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

SECTION 16: Other information

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Hazard statements in full:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.