

SAFETY DATA SHEET

MH89 - Alcohol Gel Sanitiser >70% Cartridges

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier:

Trade name: **MH 89 - Alcohol Gel Sanitiser >70% Cartridges**

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: 02/09/2024

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:

Flam. Liq. 2: Flammable liquids, Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Category 2

2.2. Label Elements:

Signal Word: Danger

Hazard Statements:

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

Precautionary Statements:

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

No smoking.

P233: Keep container tightly closed.

P403+P235: Store in a well-ventilated place. Keep cool.

2.3. Other Hazards:

This product contains over 60% alcohol by weight, equivalent to more than 70% by volume (actual alcohol volume = 73%).

SECTION 3: Composition/Information on Ingredients

3.1. Mixtures:

Substance	Product Identifier	%	Classification
Ethanol; ethyl alcohol	CAS-No.: 64-17-5	≥ 60	Flam. Liq. 2, H225; Eye Irrit. 2, H319

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures:

General: Get medical advice/attention if you feel unwell.

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed:

Inhalation: None under normal use.

Skin Contact: None under normal conditions.

Eye Contact: Causes eye irritation.

Ingestion: May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract. Treat symptomatically.

SECTION 5: Firefighting Measures

5.1. Extinguishing Media:

Carbon dioxide. Dry powder. Foam.

5.2. Special Hazards Arising from the Substance or Mixture:

Flammable liquid and vapour.

5.3. Advice for Firefighters:

Remove ignition sources.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures:

For non-emergency personnel: No additional information available.

For emergency responders: No additional information available.

6.2. Environmental Precautions:

No additional information available.

6.3. Methods and Material for Containment and Cleaning Up:

Collect spillage.

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

For further information refer to section 8: "Exposure controls/personal protection".

For further information refer to section 13.

6.4. Reference to Other Sections:

See Sections 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling:

Keep away from sources of ignition - No smoking.

7.2. Conditions for Safe Storage, Including Any Incompatibilities:

Store in a well-ventilated place. Keep container tightly closed.

Incompatible products: Oxidizing agent. Strong acids. Strong bases.

Incompatible materials: Direct sunlight. Heat sources. Sources of ignition.

7.3. Specific End Use(s):

No additional information available.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters:

National occupational exposure and biological limit values:

Ireland: Ethanol - OEL STEL: 1000 ppm

United Kingdom: Ethanol - WEL TWA: 1920 mg/m³, 1000 ppm

8.2. Exposure Controls:

8.2.1. Appropriate Engineering Controls:

Not required for normal conditions of use.

8.2.2. Personal Protection Equipment:

Eye and face protection: Not required for normal conditions of use. If there is a risk of liquid being splashed: Safety glasses.

Skin protection: Not required for normal conditions of use.

Hand protection: Not relevant.

Respiratory protection: Not relevant.

Thermal hazards: No additional information available.

8.2.3. Environmental Exposure Controls:

No additional information available.

SECTION 9: Physical and Chemical Properties

Physical state: Liquid

Colour: Colourless.

Appearance: Mobile liquid.

Odour: Characteristic.

Odour threshold: Not available

Melting point: Not available

Freezing point: Not available

Boiling point: ≈ 78.3 °C

Flammability: Not available

Explosive limits: Not available

Flash point: ≈ 18 °C

Auto-ignition temperature: Not available

Decomposition temperature: Not available

pH: 7

Viscosity, kinematic: Not available

Solubility: Soluble in water.

Partition coefficient n-octanol/water (Log Kow): Not available

Vapour pressure: Not available

Vapour pressure at 50°C: Not available

Density: Not available

Relative density: 0.87

Relative vapour density at 20°C: Not available

Other information: Flammable liquid and vapour.

SECTION 10: Stability and Reactivity

10.1. Reactivity:

Stable under normal conditions.

10.2. Chemical Stability:

No additional information available.

10.3. Possibility of Hazardous Reactions:

No additional information available.

10.4. Conditions to Avoid:

No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible Materials:

No additional information available.

10.6. Hazardous Decomposition Products:

No additional information available.

SECTION 11: Toxicological Information

11.1. Information on Hazard Classes as Defined in Regulation (EC) No 1272/2008:

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

11.2. Information on Other Hazards:

No additional information available.

SECTION 12: Ecological Information

12.1. Toxicity:

Ethanol; ethyl alcohol (64-17-5):

LC50 - Fish: 14200 mg/l

EC50 - Algae: 275 mg/l

EC50 - Daphnia: 5012 mg/l

12.2. Persistence and Degradability:

Readily biodegradable.

12.3. Bioaccumulative Potential:

Not expected to bioaccumulate.

12.4. Mobility in Soil:

Soluble in water.

12.5. Results of PBT and vPvB Assessment:

This substance/mixture does not meet the criteria for PBT/vPvB assessment.

12.6. Other Adverse Effects:

No additional information available.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods:

Dispose of contents/container in accordance with local regulations.

SECTION 14: Transport Information

14.1. UN Number:

UN 1170

14.2. UN Proper Shipping Name:

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport Hazard Class(es):

3

14.4. Packing Group:

II

14.5. Environmental Hazards:

Not environmentally hazardous.

14.6. Special Precautions for User:

No special precautions.

14.7. Transport in Bulk According to Annex II of MARPOL and the IBC Code:

Not applicable.

SECTION 15: Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or mixture:

Regulation (EC) No 1907/2006 (REACH)

Regulation (EC) No 1272/2008 (CLP)

15.2. Chemical Safety Assessment:

A chemical safety assessment has been carried out for this substance/mixture.

SECTION 16: Other Information

Abbreviations and Acronyms:

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging

EC50: Half maximal effective concentration

Flam. Liq.: Flammable liquid

LC50: Lethal concentration, 50%

OEL: Occupational exposure limit

PBT: Persistent, bioaccumulative and toxic

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL: Short-term exposure limit

STOT: Specific target organ toxicity

TWA: Time-weighted average

UN: United Nations

vPvB: Very persistent and very bioaccumulative

WEL: Workplace exposure limit