



HOSPITALITY  
CARE HOMES  
FOOD INDUSTRY  
HEALTHCARE  
LAUNDRY  
LEISURE  
AGRICULTURE

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

### 1.1. Product identifier

|              |                  |                   |            |
|--------------|------------------|-------------------|------------|
| Trade name   | :8AG TRICHOL GEL | Date of original: | 20/03/2020 |
| Product code | :5005            | Revision No.:     | 2          |
| Product form | :Mixture         | Revision date:    | 11/01/2021 |

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

#### 1.2.1. Relevant identified uses

|                                   |                            |
|-----------------------------------|----------------------------|
| Main use category                 | :Professional use          |
| Industrial/Professional use spec. | :For professional use only |
| Use of substance/mixture          | :Alcohol based hand rub    |

#### 1.2.2. Uses advised against

No additional information available

### 1.3 Details of the supplier of the safety data sheet

**Trichem Scotland Ltd** 36E Inchmuir Road, Whitehill Ind. Estate, Bathgate, EH48 2EP  
t: 01506 634477 f: 01506 634488 e: sales@trichemscotland.co.uk

### 1.4. Emergency telephone number

|                  |                            |              |
|------------------|----------------------------|--------------|
| Emergency number | :Mon – Fri 9:00am – 5:00pm | 01506 634477 |
|------------------|----------------------------|--------------|

## SECTION 2: Hazards identification



### 2.1. Classification of the substance of mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|                        |                 |
|------------------------|-----------------|
| Eye irritant 2         | :H319           |
| Flam. Liq. 2           | :H225           |
| Full text of H-phrases | :see section 16 |

### 2.2. Label elements

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|                                |  |   |
|--------------------------------|--|---|
| Hazard pictograms (CLP)        |   |  |
| Single word (CLP)              | GHS02  | GHS07   |
| Hazard statements (CLP)        | :H319 - Causes eye irritation.<br>:H225 - Flammable liquid & vapor   |   |
| Precautionary statements (CLP) | :P102 - Keep out of reach of children<br>:P261 - Avoid breathing vapours<br>:P301 + P313 – IF SWALLOWED Get medical advice/attention<br>:P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.<br>:Remove contact lenses, if present and easy to do. Continue rinsing.<br>:P337+P313 - If eye irritation persists: Get medical advice/attention. |   |

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Hazard ingredients | CAS number | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------------|------------|-------|---|
| Ethanol            | 64-17-5    | 70-90 | Flam. Liq. 2 H225, Eye Irrit. 2 H319                            |
| Hydrogen Peroxide  | 7722-84-1  | <1    | H318 - Eye Dam, H302 – Harmful, H272 - Oxidizer                 |

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | :Get medical advice/attention if you feel unwell.   |
| First-aid measures after inhalation   | :Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | :N/A  |
| First-aid measures after eye contact  | :IF IN EYES: 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. |
| First-aid measures after ingestion    | :Do not induce vomiting. Give plenty of water to drink. Get medical advice/attention.   |

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

|                                      |  |
|--------------------------------------|--|
| Symptoms/injuries after inhalation   | :May cause drowsiness and dizziness.   |
| Symptoms/injuries after skin contact | :No specific symptoms known, but prolonged or excessively repeated skin contact could lead to removal of natural oils from skin. |
| Symptoms/injuries after eye contact  | :May cause temporary eye irritation.   |
| Symptoms/injuries after ingestion    | :May cause light irritation of the linings of the mouth, throat and gastrointestinal tract                                       |

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

Treat symptomatically

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media :Carbon dioxide. Dry powder. Foam.

#### 5.2. Special hazards arising from the substance or mixture

May explode when heated or exposed to naked flames or sparks.

#### 5.3. Advice for firefighters

Keep containers cool by spraying with water to reduce explosion risks. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures :Avoid contact with eyes. Avoid inhalation of vapours. No smoking.

##### 6.1.2. For emergency responders

Protective equipment :Avoid contact with eyes. Avoid inhalation of vapours. No smoking.

#### 6.2. Environmental precautions

Avoid release to the environment

#### 6.3. Methods and materials for containment and cleaning up

For containment :Collect spillage.

Methods for cleaning up :Soak up any spills with inert solids, such as clay or diatomaceous earth as soon as possible.

#### 6.4. Reference to other sections

For further information refer to section 8. "Exposure controls/personal protection". For further information refer to section 13.

### SECTION 7: Handling & storage

#### 7.1. Precautions for safe handling

Precautions for safe handling :Avoid contact with eyes.

Hygiene measures :Do not eat, drink or smoke when using this product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures :Does not require any specific or particular technical measures.

Storage conditions :Keep container closed when not in use. Keep away from sources of ignition.

Incompatible products :Oxidising agents. Strong acids. Strong bases.

Special rules on packaging :Keep only in original container.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Materials for protective clothing :Not required for normal conditions of use.

Hand protection :Not required.

Eye protection :Not required if care is taken not to splash in eyes when pouring or using.

Skin and body protection :Not required for normal conditions of use.

Respiratory protection :Not required.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|                           |                    |                               |                    |
|---------------------------|--------------------|-------------------------------|--------------------|
| Physical state            | :Gel               | Decomposition temperature     | :No data available |
| Appearance                | :Gel               | Flammability (solid, gas)     | :No data available |
| Colour                    | :Clear, colourless | Vapour pressure               | :No data available |
| Odour                     | :Alcoholic         | Relative vapour density @20°C | :No data available |
| Odour threshold           | :No data available | Relative density              | :0.9               |
| pH                        | :7.2               | Solubility                    | :Water             |
| Relative evaporation rate | :No data available | Log pow                       | :No data available |
| Melting point             | :<-10°C            | Viscosity, kinematic          | :No data available |
| Freezing point            | :No data available | Viscosity, dynamic            | :No data available |
| Boiling point             | :No data available | Explosive properties          | :No data available |
| Flash point               | :No data available | Oxidising properties          | :No data available |
| Auto-ignition temperature | :No data available | Explosive limits              | :No data available |

#### 9.2. Other properties

No additional information available

**SECTION 10. Stability and reactivity****10.1. Reactivity**

Highly flammable liquid &amp; vapor

**10.2. Chemical stability**

Stable under normal conditions

**10.3. Possibility of hazardous reactions**

No additional information available

**10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

No additional information available

**SECTION 11: Ecological information****11.1. Information on toxicological effects**

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

**Ethanol (64-17-5)**

LD50 oral rat : 10470 mg/kg

LD50 dermal rat : 15800 mg/kg

LD50 inhalation rat (ml/l) : 20 mg/l

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

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

**Ethanol (64-17-5)**

NOAEL (subchronic, oral, animal/male, 90 days) &lt; 9700 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)

NOAEL (subchronic, oral, animal/female, 90 days) &lt; 9700 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)

Aspiration hazard :Not classified

**SECTION 12: Ecological information****12.1. Toxicity**

Ecology – general : This product is not considered harmful to aquatic organisms nor to cause long- term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, short-term (chronic) : Not classified

Not rapidly degradable

Not rapidly degradable

Not rapidly degradable

**Ethanol (64-17-5)**

LC50 fish 1 14200 mg/l Pimephales promelas (Fat-head Minnow)

LC50 fish 2 13000 mg/l Oncorhynchus mykiss (Rainbow trout)

LC50 other aquatic organisms 1 16000 mg/l Oryzias latipes (Red killfish)

EC50 Daphnia 1 12340 mg/l Daphnia Magna

EC50 other aquatic organisms 1 &gt;100 mg/l Leuciscus idus (Golden orfe)

EC50 72h algae (1) 275 mg/l Chlorella vulgaris

ErC50 (algae) &gt;100 mg/l Selenastrum capricomutum (48hrs)

NOEC (chronic) 9.6 mg/l Test organisms (species): Daphnia magna Duration: (9 d)

NOEC chronic crustacea 9.6 mg/l Daphnia magna (9 d)

Aquatic invertebrates :Not classified

**12.2. Persistence and degradability****Ethanol (64-17-5)**

Persistence and degradability Readably biodegradable

Biodegradation 84% (20 d)

**12.3. Bio accumulative potential****Ethanol (64-17-5)**

Partition coefficient n-octanol/water (Log Pow) -0.31

Bioaccumulative potential No bioaccumulation

No additional information available

## 12.4 Mobility in soil

### Ethanol (64-17-5)

Ecology – soil

Product evaporates when in contact with the air, Soluble in water,  
May contaminate water supplies.

## 12.5. Results of PBT and vPvB assessment

Ethanol (64-17-5)

Does not contain any PBT nor vPvB

## 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Small amounts (less than 5 litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal to an approved waste contractor. Rinse out empty container with water and consign to normal waste.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

: 1993

### 14.2. UN proper shipping name

Proper shipping name (ADR)

: ETHANOL GEL SOLUTION

Proper shipping name (IMDG)

: ETHANOL GEL SOLUTION

Proper shipping name (IATA)

: ETHANOL GEL SOLUTION

### 14.3. Transport hazard class(es)

#### ARD

Transport hazard class(es) (ADR)

: Class 3: Flammable liquids

#### IMDG

Transport hazard class(es) (IMDG)

: Class 3: Flammable liquids

#### IATA

Transport hazard class(es) (IATA)

: Class 3: Flammable liquids

### 14.4. Packing group

Packing group (ADR)

: 3

Packing group (IMDG)

: 3

Packing group (IATA)

: II

### 14.5. Environmental hazards

Dangerous to the environment

: No

Marine pollutant

: No

Other information

: No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)

: F1

Special provisions (ADR)

: 274, 601, 640D

Limited quantities (ADR)

: 1I

Excepted quantities (ADR)

: E2

Packing instructions (ADR)

: P001, IBC02, R001

Mixed packaging provisions (ADR)

: MP19

Portable tank & bulk container instructions (ARD)

: T7

Portable tank & bulk container special provisions (ARD)

: TP1, TP8, TP28

Tank code

: LGBF

Vehicle for tank carriage

: FL

Transport category (ADR)

: 2

Special provisions for carriage – Operational (ADR)

: S2, S20

Hazard identification number (Kemlar No.)

: 33

Orange plates

**33**

**1993**

Tunnel restriction code (ADR)

: D/E

EAC code

: 3TE

#### Transport by sea

Special provisions (IMDG)

: 274

Limited quantities (IMDG)

: 1I

Excepted quantities (IMDG)

: E2

Packing instructions (IMDG)

: P001

IBC packing instructions (IMDG)

: IBC02

Tank instructions (IMDG)

: T7

Tank special provisions (IMDG)

: TP1, TP28, TP8

EmS-No. (Fire)

: F-E

EmS-No. (Spillage)

: S-E

Stowage category (IMDG)

: B

### Air transport

|  |        |
|--|--------|
| PCD Excepted quantities (IATA)               | : E2   |
| PCD Limited quantities (IATA)                | : Y341 |
| PCA Limited quantity max net quantity (IATA) | : 1l   |
| PCA Packing instructions (IATA)              | : 353  |
| PCA Max net quantity (IATA)                  | : 5l   |
| CAO packing instructions (IATA)              | : 364  |
| CAO max net quantity (IATA)                  | : 60l  |
| Special provisions (IATO)                    | : A3   |
| ERG code (IATA)                              | : 3H   |

### Inland waterway transport

|                                   |                |
|-----------------------------------|----------------|
| Classification code ADN           | : F1           |
| Special provisions (ADN)          | : 274,601,640C |
| Limited quantities (ADN)          | : 1l           |
| Excepted quantities (ADN)         | : E2           |
| Equipment required (ADN)          | : PP, EX, A    |
| Ventilation (ADN)                 | : VE01         |
| Number of blue cones/lights (ADN) | : 1            |

### Rail transport

|   |                  |
|---|------------------|
| Classification code (RID)                                 | : F1             |
| Special provisions (RID)                                  | : 274, 601, 640C |
| Limited quantities (RID)                                  | : 1l             |
| Excepted quantities (RID)                                 | : E2             |
| Packing instructions (RID)                                | : P001           |
| Mixed packing provisions (RID)                            | : MP19           |
| Portable tank and bulk container instructions (RID)       | : T7             |
| Portable tank and bulk container special provisions (RID) | : TP1, TP8, TP28 |
| Tank codes for RID tanks (RID)                            | : L1.5BN         |
| Transport category  | : 2              |
| Colis express (express parcels) (RID)                     | : CE7            |
| Hazard identification number (RID)                        | : 33             |

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulation

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No. 1907/2006:

|      |                     |  |
|------|---------------------|--|
| 3(a) | MANO-STER ; Ethanol | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F.  |
| 3(b) | MANO-STER ; Ethanol | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10.   |
| 40.  | MANO-STER ; Ethanol | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |

Contains no substances on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

### 15.1.2. National regulations

#### Germany

|  |   |
|--|---|
| Employment restrictions                    | : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)<br>Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG) |
| Water hazard class (WKG)                   | : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)  |
| Hazardous Incident Ordinance (12. BlmSchV) | : Is not subject of the Hazardous Incident Ordinance (12. BlmSchV)  |

#### Netherlands

|   |                                     |
|---|-------------------------------------|
| SZW-lijst van kankerverwekkende stoffen   | : Ethanol is listed                 |
| SZW-lijst van mutagene stoffen  | : None of the components are listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding   | : Ethanol is listed                 |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid | : Ethanol is listed                 |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling   | : Ethanol is listed                 |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable, as this product is a mixture.

#### SECTION 16: Other information

**The Risk Phrases / Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.**

|      |                                      |
|------|--------------------------------------|
| H225 | : Highly flammable liquid and vapour |
| H319 | : Causes serious eye irritation      |
| H336 | : May cause drowsiness or dizziness  |

#### Abbreviations and acronyms

|         |   |
|---------|---|
| ADN     | : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways   |
| ADR     | : European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| ATE     | : Acute Toxicity Estimate   |
| BLV     | : Biological limit value  |
| Cas-NO. | : Chemical Abstract Service number  |
| CLP     | : Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| DMEL    | : Derived Minimal Effect level  |
| DNEL    | : Derived-No Effect Level   |
| EC50    | : Median effective concentration  |
| EC-No.  | : European Community number   |
| EN      | : European Standard   |
| IATA    | : International Air Transport Association   |
| IMDG    | : International Maritime Dangerous Goods  |
| LC50    | : Median lethal concentration   |
| LD50    | : Median lethal dose  |
| LOAEL   | : Lowest Observed Adverse Effect Level  |
| NOAEC   | : No-Observed Adverse Effect Concentration  |
| NOAEL   | : No-Observed Adverse Effect Level  |
| NOEC    | : No-Observed Effect Concentration  |
| OEL     | : Occupational Exposure Limit   |
| PBT     | : Persistent Bio accumulative Toxic   |
| PNEC    | : Predicted No-Effect Concentration   |
| REACH   | : Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID     | : Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS     | : Safety Data Sheet   |
| VPvB    | : Very Persistent and Very Bio accumulative   |
| WGK     | : Water Hazard Class  |

#### Full text of H- and EUH-statements:

|              |   |
|--------------|---|
| Eye Irrit. 2 | : Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | : Flammable liquids, Category 2                 |
| H225         | : Highly flammable liquid and vapour.           |
| H319         | : Causes serious eye irritation.                |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*