

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 3/27/2020 Version: 1.22

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

1.1. Product identifier

Product form : Mixture

Product name : Alcohol Hand Rinse

Product group : Blend

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use Industrial/Professional use spec : For General Use Industrial

For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

TR Bonnyman Son & Co Willowburn Road Willowyard Industrial Estate KA15 1LN Beith - United Kingdom T +44 1505 504716

hugh@bonnymans.co.uk - www.bonnymans.co.uk

1.4. Emergency telephone number

Emergency number : 0844 892 0111

Country	Organisation/Company	Address	Emergency number	Comment
	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)

CHEOS

Signal word (CLP) : -

Hazard statements (CLP) : H225 - _H_225_EU.

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Precautionary statements (CLP) : P210 - _P_210_2_EU.

P233 - _P_233_EU. P240 - _P_240_EU. P241 - _P_241_EU.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P370+P378 - _P_370-378_2_EU.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethanol, ethyl alcohol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5	≤ 70	Flam. Liq. 2, H225
PEG-7 GLYCERYL COCOATE	(CAS No) 68201-46-7 (EC index no) 0839	1	Not classified
MONO PROPYLENE GLYCOL	(CAS No) 57-55-6 (EC no) 200-338-0 (REACH-no) 01-2119456809-23		Not classified

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

Remove affected clothing and wash all exposed skin area with mild soap and water,

followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

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5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No naked lights.

No smoking.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

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

Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : No naked lights. No smoking. Use only non-sparking tools. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond

container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/...

equipment.

Storage conditions : Keep in fireproof place. Keep container tightly closed. Keep only in the original container in

a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

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

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

MONO PROPYLENE GLYCOL (57-55-6)	
EU - Occupational Exposure Limits	
IOELV TWA (mg/m³)	474 mg/m³
IOELV TWA (ppm)	150 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m³)	474 mg/m³
WEL TWA (ppm) 150 ppm	

ethanol, ethyl alcohol (64-17-5)	
EU - Occupational Exposure Limits	
IOELV TWA (mg/m³)	1920 mg/m³
IOELV TWA (ppm)	1000 ppm

8.2. Exposure controls

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:	
Wear protective gloves	

Eye protection:	
Chemical goggles or safety glasses	

Respiratory protection:	
Wear appropriate mask	7

Other information:

Decomposition temperature

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear, Colourless Gel.

Colour : clear.
Odour : Alcohol like.
Odour threshold : No data available

pH : 5.5

Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available Freezing point : No data available Boiling point : No data available Flash point : 30.2 °C Self ignition temperature : Not Self Igniting

Flammability (solid, gas) : Highly flammable liquid and vapour, Non flammable.

: No data available

Vapour pressure : No data available

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Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 0.87 g/m³
Solubility : Soluble in water.
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : 13218390804.598 mm²/s

Viscosity, dynamic : 11500 cP
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture. Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Open flame. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

May release flammable gases. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

MONO PROPYLENE GLYCOL (57-55-6)	
LD50 oral rat	≥ 20000 mg/kg
LD50 dermal rabbit	≥ 2000 mg/kg
Toxic Conc LC 50	317 mg/l 2hours, (aerosol rabbit)

ethanol, ethyl alcohol (64-17-5)	
LD50 oral rat	6200 mg/kg
LC50 inhalation rat (mg/l)	124.7 mg/l/4h

Skin corrosion/irritation : Not classified pH: 5.5

Additional information : Based on available data, the classification criteria are not met

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Serious eye damage/irritation : Not classified

pH: 5.5

Additional information : Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified

Additional information : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

Additional information : Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified

Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

Alcohol Hand Rinse

Viscosity, kinematic 13218390804.598 mm²/s

Potential Adverse human health effects and

symptoms

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

SECTION 12: Ecological information

12.1. Toxicity

Aquatic acute : Not classified Aquatic chronic : Not classified

ONO PROPYLENE GLYCOL (57-55-6)	
LC50 fishes 1	≥ 44000 mg/l (Trout, 96 hours)
LC50 other aquatic organisms 1	18340 mg/l (Criodaphnia dubia (water flea) 48 hours))
LC50 other aquatic organisms 2	18800 mg/l (Mysidopsis bahia (saltwater mysid) 96 hours)
EC50 Daphnia 1	≥ 4850 mg/l (48 hours)
EC50 other aquatic organisms 1	19000 mg/l (Selenastrum capricornutum 96 hours)
NOEC (acute)	13020 mg/l (Ceridaphnia (water flea), static renewal, 7days)

ethanol, ethyl alcohol (64-17-5)	
LC50 fishes 1	8150 mg/l Leuciscus idus (Golden orfe)
EC50 Daphnia 1	9268 – 14221 mg/l

12.2. Persistence and degradability

Alcohol Hand Rinse	cohol Hand Rinse	
Persistence and degradability	Not established.	

MONO PROPYLENE GLYCOL (57-55-6)	
Persistence and degradability	Biodegradable.

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Biodegradation	≥ 80 % (28 days)

ethanol, ethyl alcohol (64-17-5)

Persistence and degradability Readily biodegradable

12.3. Bioaccumulative potential

Alcohol Hand Rinse

Bioaccumulative potential Not established.

MONO PROPYLENE GLYCOL (57-55-6)

Bioaccumulative potential The product has low potential for bioaccumulation.

12.4. Mobility in soil

MONO PROPYLENE GLYCOL (57-55-6)

Ecology - soil Soluble In Water.

12.5. Results of PBT and vPvB assessment

Component

PEG-7 GLYCERYL COCOATE (68201-46-7) PBT: not relevant – no registration required

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to ... Dispose in a safe manner in accordance with

local/national regulations.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA

14.1. UN number

 UN-No. (ADR)
 : UN 1170

 UN-No. (IMDG)
 : UN 1170

 UN-No.(IATA)
 : UN 1170

 UN-No.(ADN)
 : UN 1170

 UN-No. (RID)
 : UN 1170

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ETHANOL (ETHYL ALCOHOL) / ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper Shipping Name (IMDG) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper Shipping Name (IATA) : ETHYL ALCOHOL SOLUTION

Proper Shipping Name (ADN) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Proper Shipping Name (RID) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Transport document description (ADR) : UN 1170 ETHANOL (ETHYL ALCOHOL) / ETHANOL SOLUTION (ETHYL ALCOHOL

SOLUTION), 3, II, (D/E)

Transport document description (IMDG) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

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Transport document description (IATA) : UN 1170 ETHYL ALCOHOL SOLUTION, 3, II

Transport document description (ADN) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II
Transport document description (RID) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3
Danger labels (ADR) : 3



IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3
Hazard labels (IATA) : 3



ADN

Transport hazard class(es) (ADN) : 3
Danger labels (ADN) : 3



RID

Transport hazard class(es) (RID) : 3
Danger labels (RID) : 3



14.4. Packing group

Packing group (ADR) : II
Packing group (IMDG) : II
Packing group (IATA) : II
Packing group (ADN) : II
Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : No Marine pollutant : No

Other information : No supplementary information available

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14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1 : 144, 601 Special provision (ADR) Limited quantities (ADR) 1L Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02, R001

Mixed packing provisions (ADR) MP19 Mixed Portable tank and bulk container instructions : T4

(ADR)

Mixed Portable tank and bulk container special : TP1

provisions (ADR)

: LGBF ADR tank codes (ADR) Vehicle for tank carriage : FL : 2 Transport category (ADR) Special provisions for carriage - Operation (ADR) : S2, S20 : 33

Hazard identification number (Kemler No.)

Orange plates

33 1170

Tunnel restriction code (ADR) D/E EAC code •2YE

Transport by sea

Special provision (IMDG) : 144 Limited quantities (IMDG) : 1 L Excepted quantities (IMDG) : E2 Packing instructions (IMDG) : P001 IBC packing instructions (IMDG) : IBC02 Tank instructions (IMDG) T4 Tank special provisions (IMDG) TP1 EmS-No. (Fire) : F-E EmS-No. (Spillage) : S-D Stowage category (IMDG) : A

Air transport

: E2 PCA Excepted quantities (IATA) : Y341 PCA Limited quantities (IATA) 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 provision (IATA) : A3, A58, A180

ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1 Special provision (ADN) : 144, 601 Limited quantities (ADN) : 1L Excepted quantities (ADN) : E2 : PP, EX, A Equipment required (ADN) Ventilation (ADN) : VE01 Number of blue cones/lights (ADN) : 1

Rail transport

: F1 Classification code (RID) : 144, 601 Special provision (RID) Limited quantities (RID) : 1L Excepted quantities (RID) : E2

Packing instructions (RID) : P001, IBC02, R001

Mixed packing provisions (RID) : MP19 Portable tank and bulk container instructions (RID)

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Portable tank and bulk container special provisions : TP1

(RID)

Tank codes for RID tanks (RID): LGBFTransport category (RID): 2Colis express (express parcels) (RID): CE7Hazard identification number (RID): 33

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

15.1.1. EU-Regulations

Authorisations and/or restrictions on use (Annex XVII):		
Reference code	Applicable on	Entry title or description
3(a)	ethanol, ethyl alcohol	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
40.	ethanol, ethyl alcohol	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 REACH candidate substance

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.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : 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 mixturejs, amending and

repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Classification according to Regulation (EC) No. 1272/2008 [CLP]:	
Not classified	

Full text of H- and EUH-phrases:	
Flam. Liq. 2	Flammable liquids, Category 2
H225	_H_225_EU

SDS EU (REACH Annex II)

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