

SAFETY DATA SHEET

Compilation date: 13/12/2014

Revision: 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product form: Mixture
Trade name: Antibacterial Hand Gel
Product group: Trade product
Product code: SHS701, SHS705

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

1.2.1 Relevant identified uses

Main use category: Used for hand and skin hygiene. Does not require washing and rinsing.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company Name: Spearhead
4 Symington Place
Riverside Business Park
Irvine
KA11 5DE
Tel: 0345 180 1800
Email: sales@spearheadhealthcare.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.

Flammable liquids, Category 3 H226

Adverse physicochemical, human health and environmental effects: Flammable liquid and vapour.

2.2 Label elements

Hazard Pictograms (CLP):



Signal word (CLP):

Warning

Hazard statements:

H225 – Highly flammable liquid and vapour.

Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/igniting material.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378 - In case of fire: Use...to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

The full texts for all H- and EUH-phrases are displayed in Section 16 'Other Information'.

2.3 Other hazards

No additional information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	CAS No./ EC No.	Classification	Conc (%)
ethanol; ethyl alcohol	64-17-5 200-578-6 603-002-00-5	Flam. Liq. 2, H225	75%
WATER	7732-18-5 231-791-2	Not classified	23.276%
Glycerol (glycerin, glycerine)	56-81-5 200-289-5	Not classified	1%
ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER		Not classified	0.4%
PARFUM		Not classified	0.2%
2,2',2''-nitrilotriethanol	102-71-6 203-049-8	Not classified	0.124%

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Skin contact:	Rinse skin with water/shower. Take off immediately all contaminated clothing.
Eye contact:	Rinse eyes with water as a precaution.
Ingestion:	Call a poison center or a doctor if you feel unwell.

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

No additional information available.

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

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media:

Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards:

Fire hazard:	Highly flammable liquid and vapour.
Hazardous decomposition products in case of fire:	Toxic fumes may be released.

5.3. Special protective equipment:

Protection during firefighting:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions:

Emergency procedures:

Ventilate spillage area. No open flames, no sparks, and no smoking.

Protective equipment:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions:

Avoid release to the environment.

6.3. Methods and material for containment and clean-up:

Methods for cleaning up:

Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information:

Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

7. HANDLING & STORAGE

7.1. Precautions for safe handling:

Precautions for safe handling:

Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment.

Hygiene measures:

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities:

Technical measures:

Ground/bond container and receiving equipment.

Storage conditions:

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

No additional information available.

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Hand protection : Protective gloves. EN 374

Eye protection:

Safety glasses. EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

Eye protection

Environmental exposure controls:

Avoid release to the environment.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:

Liquid

Appearance:

Gel

Colour:

Colourless

Odour:

Characteristic

pH:

4 – 7

Freezing point:

No information available

Boiling point:

80 – 85 °C

Flash point:

41 °C

Density:

0.7 – 1.1 g/ml

Solubility:

Soluble in water

10. STABILITY & REACTIVITY

10.1. Reactivity:	Highly flammable liquid and vapour.
10.2. Chemical stability:	Stable under normal conditions.
10.3. Possibility of hazardous reactions:	No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid:	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials:	No additional information available.
10.6. Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:	Not classified
ethanol; ethyl alcohol (64-17-5)	
LD50 oral rat	6200 mg/kg bodyweight
LD50 oral	7060 mg/kg bodyweight
Glycerol (glycerin, glycerine) (56-81-5)	
LD50 oral rat	27 mg/kg bodyweight Animal: rat, Animal sex: female
2,2',2''-nitrilotriethanol (102-71-6)	
LD50 oral rat	6400 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Skin corrosion/irritation:	Not classified pH: 4 – 7
Serious eye damage/irritation:	Not classified pH: 4 – 7
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
2,2',2''-nitrilotriethanol (102-71-6)	
NOAEL (chronic, oral, animal/male, 2 years)	63 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies), Remarks on results: other:
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
ethanol; ethyl alcohol (64-17-5)	
NOAEL (subchronic, oral, animal/male, 90 days)	< 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)	> 9400 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) 2,2',2''-nitrilotriethanol (102-71-6)
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Aspiration hazard:	Not classified

12. ECOLOGICAL INFORMATION

12.1. Toxicity:

Ecology - general:	The 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, long- term (chronic)	Not classified

ethanol; ethyl alcohol (64-17-5)

LC50 fish 1

NOEC (chronic)

Glycerol (glycerin, glycerine) (56-81-5)

LC50 fish 1

2,2',2''-nitritotriethanol (102-71-6)

LC50 fish 1

EC50 Daphnia 1

EC50 72h algae (1)

EC50 72h algae (2)

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

14.2 g/l Test organisms (species): Pimephales promelas

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

54000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)

11800 mg/l Test organisms (species): Pimephales promelas

609.88 mg/l Test organisms (species): Ceriodaphnia dubia

512 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

216 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

No additional information available

Ultra Compact Antibacterial Hand Gel

Bioaccumulative potential: No additional information available

Ultra Compact Antibacterial Hand Gel

Mobility in soil: No additional information available

No additional information available

Ozone: Not classified

Other adverse effects: No additional information available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste):

Disposal must be done according to official regulations.

Waste Management Regulation published in the Official Journal numbered 29314 on April 2, 2015.

Waste treatment methods:

Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information:

Flammable vapours may accumulate in the container.

14. TRANSPORT INFORMATION

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

14.1. UN number

UN No. (ADR) 1170

UN No. (IMDG) 1170

UN No. (IATA) 1170

UN No. (ADN) 1170

UN No. (RID) 1170

14.2. UN proper shipping name

Proper shipping name (ADR) ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper shipping name (IMDG) ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper shipping name (IATA) Ethanol solution

Proper shipping name (ADN) ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Proper shipping name (RID) ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport hazard class(es)

ADR class 3

IMDG class 3

IATA class 3

ADN class 3

RID class 3

Transport labels



14.4. Packing group

ADR	II
IMDG	II
IATA	II
ADN	II
RID	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant: No.

14.6. Special precautions for user

Overland Transport

Classification code (ADR):	F1
Special provisions (ADR):	144, 601
Limited quantities (ADR):	1I
Excepted quantities (ADR):	E2
Packing instructions (ADR):	P001, IBC02, R001
Mixed packing provisions (ADR):	MP19
Portable tank and bulk container instructions (ADR):	T4
Portable tank and bulk container special provisions (ADR):	TP1
Tank code (ADR):	LGBF
Vehicle for tank carriage:	FL
Transport category (ADR):	2
Special provisions for carriage - Operation (ADR):	S2, S20
Hazard identification number (Kemler No.):	33

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1170

Orange plates:

Tunnel restriction code (ADR): D/E

Sea Transport

Special provisions (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
Properties and observations (IMDG):	Colourless, volatile liquids. Pure ETHANOL: flashpoint 13°C c.c. Explosive limits: 3.3% to 19%. Miscible with water.

Air Transport

PCA Excepted quantities (IATA):	E2
PCA 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 (IATA):	A3, A58, A180
ERG code (IATA):	3L

Inland Waterway Transport

Classification code (ADN):	F1
Special provisions (ADN):	144, 601
Limited quantities (ADN):	1 L
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):	144, 601
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):	T4
Portable tank and bulk container special provisions (RID):	TP1
Tank codes for RID tanks (RID):	LGBF
Transport category (RID):	2
Colis express (express parcels) (RID):	CE7
Hazard identification number (RID):	33

15. REGULATORY INFORMATION

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

15.1.1. National Regulations

Local regulations (Turkey):	Regulation on Health and Safety Precautions When Working with Chemical Substances published in the Official Journal numbered 28733 on August 12, 2013 Regulation on Health and Safety Precautions When Working with Carcinogenic and Mutagenic Substances published in the Official Journal numbered 28730 on August 6, 2013 Regulation on Transportation of Dangerous Goods by Road published in the Official Journal numbered 28801 on October 24, 2013 Regulation on Use of Personal Protective Equipments in Workplaces published in the Official Journal numbered 28695 on July 2, 2013 Personal Protective Equipment Regulation published in the Official Journal numbered 26361 on November 29, 2006.
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This product doesn't contain any substances that is controlled or prohibited for use according to the Regulation on Ozone Depleting Substances published in the Official Journal numbered 30031 on April 7, 2017.

16. OTHER INFORMATION

Abbreviations and acronyms:

AND	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CAS-No.	Chemical Abstract Service number
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
N.O.S.	Not Otherwise Specified
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number

EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
IOELV	Indicative Occupational Exposure Limit Value
COD	Chemical oxygen demand (COD)
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
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative 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
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TRGS	Technical Rules for Hazardous Substances
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Data sources: Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013.
ECHA (European Chemicals Agency). Supplier's safety documents.

Full text of H-statements

Flam. Liq. 2	Flammable liquids, Category 2.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.