SAFETY DATA SHEET

In accordance with 2015/830 and 1272/2008

(All references to EU regulations and directives are abbreviated into only the numeric term)

Issued 2015-11-13
Replaces issued SDS 2015-04-13

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

1.1. Product identifier

Trade name	**Tork Alcohol Gel Hand Sanitizer**
Supplier's product number	420101, 490102

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

1.2.1 Identified uses	Skin disinfectants
1.2.2 Uses that are advised against	Not indicated

1.3. Details of the supplier of the safety data sheet

Company	SCA Hygiene Products AB Bäckstensgatan 5 SE-40503 GÖTEBORG Sweden
Telephone	+46 31 746 00 00
E-mail	info@sca.com
Website	http://www.sca.com

1.4. Emergency telephone number

In case of emergency contact toxicological information, emergency tel 112.

For non-emergency poison information, see http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with 1272/2008

Flammable liquids (Category 3)

2.2. Label elements

Label information in accordance with 1272/2008

Hazard pictograms

Signal words	Warning
Hazard statements	
H226	Flammable liquid and vapour
Precautionary statements	
P102	Keep out of reach of children
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P403+P235	Store in a well-ventilated place. Keep cool
P501	Dispose of contents and container to authorised waste disposal facility

2.3. Other hazards

Not relevant.

SECTION 3: Composition/information on ingredients

This product is composed of a homogeneous aqueous solution.

3.2. Mixtures

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

Constituent	Classification	Concentration
ETHANOL		
CAS No 64-17-5 EC No 200-578-6 Index No 603-002-00-5	Flam Liq 2; H225	65%
PROPAN-2-OL		
CAS No 67-63-0 EC No 200-661-7 Index No 603-117-00-0	Flam Liq 2, Eye Irrit 2, STOT SE 3*drow*; H225, H319, H336	5%

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

Also contains component(s) not necessary to label.

SECTION 4: First aid measures

4.1. Description of first aid measures

Upon eye contact

Rinse eyes with plenty of water. If symptoms persist, seek medical advice.

Upon skin contact

If symptoms occur, contact a physician.

Upon ingestion

First rinse the mouth thoroughly with plenty of water and SPIT OUT the rinsing water. Then drink at least half a litre of water and contact the doctor.

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

At normal use this product has no significant harmful local effects.

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

Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Extinguish with powder, carbon dioxide or foam.

5.2. Special hazards arising from the substance or mixture

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning.

Emits flammable vapours which may form an explosive mixture with air.

Combustible liquid, but one which is difficult to ignite.

5.3. Advice for fire-fighters

In case of fire use a respirator mask.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use recommended safety equipment, see section 8.

In case of spillage in protected water, call the emergency services immediately, tel. 112 (in Europe).

Switch off equipment which has an exposed flame, glows, or has a heat source of some other kind.

6.2. Environmental precautions

Avoid release of large quantities of undiluted product to drains.

6.3. Methods and material for containment and cleaning up

Minor spillage should be wiped away or flushed away with water. Large quantities should be collected for incineration in accordance with the local regulations.

Residues left behind after cleaning shall be treated as hazardous waste. For further information, contact the local authority sanitisation works. Present this safety data sheet.

6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep out of reach for children.

Open fire, hot items, sparks or other ignition sources must not be present in the environment used for handling this product.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and dry place (above freezing temperature and not greater than 30°C).

Handle in premises with good ventilation.

Store in a well-ventilated space.

Store only in the original package.

7.3. Specific end uses

Not relevant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National limit values, United Kingdom

ETHANOL

Time-weighted-average exposure limit (TWA) 1000 ppm / 1920 mg/m^3

PROPAN-2-OL

Time-weighted-average exposure limit (TWA) 400 ppm / 999 mg/m^3 Short term exposure limit (STEL) 500 ppm / 1250 mg/m^3

Other ingredients (cf. Section 3) have no occupational exposure limit values.

8.2. Exposure controls

In terms of minimizing risks, attention must be paid to the physical hazards (see Sections 2 and 10) of this product according to EU directives 89/391 and 98/24 and national occupational legislation.

Eye protection should be worn if there is any danger of direct exposure or splashing.

For limitation of environmental exposure, see Section 12.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a)	Appearance	Form: gel Colour: colourless
b)	Odour	Like alcohol
c)	Odour threshold	Not applicable
d)	pH	Not applicable
e)	Melting point/freezing point	Not applicable
f)	Initial boiling point and boiling range	Not applicable
g)	Flash point	24 °C
h)	Evaporation rate	Not applicable
i)	Flammability (solid, gas)	Not applicable
j)	Upper/lower flammability or explosive limits	Not applicable
k)	Vapour pressure	Not applicable
l)	Vapour density	Not applicable
m)	Relative density	0.87 kg/L
n)	Solubility	Not applicable
o)	Partition coefficient: n-octanol/water	Not applicable
p)	Auto-ignition temperature	Not applicable
q)	Decomposition temperature	Not applicable
r)	Viscosity	10000-20000 cps
s)	Explosive properties	Not applicable
t)	Oxidising properties	Not applicable

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Not indicated

10.2. Chemical stability

The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions

Not indicated

10.4. Conditions to avoid

Not indicated

10.5. Incompatible materials

Not indicated

10.6. Hazardous decomposition products

Not indicated

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General or unspecific toxicity

Ingestion of large quantities can lead to nausea and vomiting.

Acute effects

Not classified as an acutely toxic substance.

Harmfulness

The product is not classified as harmful to health.

Corrosive and irritating effects

The product is neither corrosive nor irritant.

Effect on human microflora

Effects on human micro flora have not been proven, or are negligible.

Relevant toxicological properties

ETHANOL

LD50 rabbit (Dermally) 24h > 20000 mg/kg

LC50 rat (Inhalation) 4h = 124.7 mg/L

LD50 rat (Orally) 24h = 6200 mg/kg

PROPAN-2-OL

LD50 rabbit (Dermally) 24h = 15800 mg/kg

LD50 rat (Dermally) 24h > 12800 mg/kg

LC50 rat (Inhalation) 4h = 72.6 mg

LC50 rat (Inhalation) 4h = 64000 ppmV

LC50 rat (Inhalation) 8h = 16000 ppmV

LD50 rat (Orally) 24h = 5045 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

ETHANOL

LC50 Rainbow trout (Oncorhynchus mykiss) 96h = 13480 mg/L

LC50 fathead minnow (Pimephales promelas) 96h = 13480 mg/L

LC50 Freshwater water flea (Daphnia magna) 48h = 5400 mg/L

EC50 Freshwater water flea (Daphnia magna) 24h = 10800 mg/l

IC50 Algae 72h = 0.02 mg/l

PROPAN-2-OL

LC50 fathead minnow (Pimephales promelas) 96h = 9640 mg/L
LC50 Freshwater water flea (Daphnia magna) 48h = 2285 mg/L
EC50 Freshwater water flea (Daphnia magna) 48 h = 13299 mg/l
LC50 Fish 96h = 1000 mg/l
EC50 Freshwater water flea (Daphnia magna) 24h 10 - 100 mg/l
EC50 Algae 24h 1 - 10 mg/l

The product, according to current criteria and based on available information, is considered not to be harmful to the environment.

12.2. Persistence and degradability

No information about persistence or degradability exists but there is no reason to suppose that the product is persistent.

12.3. Bioaccumulative potential

No information exists on bioaccumulation, but there is no cause for concern in respect of this.

12.4. Mobility in soil

The product is miscible with water and is therefore variable in soil and water.

12.5. Results of PBT and vPvB assessment

Not indicated

12.6. Other adverse effects

Not indicated

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste handling of the product

The product is flammable and its waste shall therefore, if it is not treated in order to eliminate this risk, be considered to be dangerous.

Also take local regulations for dealing with waste into account.

Recycling of the product

This product is not normally recycled. Empty packaging should be disposed of at a recycling centre where practically possible. The manufacturer is affiliated to REPA.

Transportation of waste

Not indicated

SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

14.1. UN number

1170

14.2. UN proper shipping name

ETHANOL SOLUTION

14.3. Transport hazard class(es)

Class

3: Flammable liquids

Classification code (ADR/RID)

F1: Flammable liquids having a flash-point of or below 60 °C

Subsidiary risk (IMDG)

No subsidary risk according to IMDG

Labels

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Tunnel restrictions

Tunnel category: D/E.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

14.8 Other transport information

Stowage category A

Emergency Schedule (EmS) for FIRE (IMDG) F-E.

Emergency Schedule (EmS) for SPILLAGE (IMDG) S-D.

Transport category: 3; Maximum total quantity per transport unit: 1000 kgs or litres.

SECTION 15: Regulatory information

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

Not applicable.

15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

SECTION 16: Other information

16a. Indication of where changes have been made to the previous version of the safety data sheet

Revisions of this document

Earlier versions

2015-04-13 Revisions of this document has, where not otherwise stated, been caused by changes in the regulations

16b. Legend to abbreviations and acronyms used in the safety data sheet

Full texts for Hazard Class and Category Code mentioned in section 3

Flam Liq 2	Flammable liquids (Category 2)
No tox haz	Not classified as toxic
No environmental hazard	Not classified as being environmentally hazardous
Eye Irrit 2	Irritates eyes (Category 2)
STOT SE 3*drow*	Specific organ toxicity - Single exposure (Category 3, Narcosis effect)

Comprehensive definition of the hazards mentioned in Section 2

Flam Liq 3

Flash point >= 23 °C and <= 60 °C; Flammable liquid Category 3

Explanations of the abbreviations in Section 14

ADR	European Agreement concerning the International Transport of Dangerous Goods by Road
RID	Regulations concerning the International Transport of Dangerous Goods by Rail
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG	International Maritime Dangerous Goods Code
ICAO	International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)
IATA	The International Air Transport Association

Tunnel restriction code: D/E; Transport by bulk or via tank: Passage forbidden through tunnels of category D and E, Other transportation means: Passage forbidden through tunnels of category E.

Transport category: 3; Maximum total quantity per transport unit: 1000 kgs or litres.

16c. Key literature references and sources for data

Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I , as updated to 2015-11-13.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from

reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Full texts for Regulations mentioned in this Safety Data Sheet

2015/830	COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
1272/2008	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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
89/391	COUNCIL DIRECTIVE (89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work
98/24	COUNCIL DIRECTIVE 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC)
1907/2006	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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC Annex I

16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.

16e. List of relevant hazard statements and/or precautionary statements

Full texts for hazard statements mentioned in section 3

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

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment

Warning for misuse

This product can cause injuries if not used properly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with its intended use.

Other relevant information

Editorial information

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