

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

1.1. Product identifier

1.1. Product identifier

Product Identity	400016 Tork Hand Sanitizer Alcohol Gel
Alternate Names	400016 Tork Hand Sanitizer Alcohol Gel

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

Intended use	Hand wash to reduce bacteria on the skin.
Application Method	Dispense enough to spread on both hands to wrists, then rub into skin for at least 30 seconds, allow to dry.

1.3. Details of the supplier of the safety data sheet

Company Name	Essity Professional Hygiene North America P.O. Box 2400 Neenah, WI 54957-2400
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1.4. Emergency telephone number

CHEMTREC (USA)	(800) 424-9300
Customer Service: Essity Professional Hygiene North America	1-866-722-8675

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 3;H226 Flammable liquid and vapor.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



H226 Flammable liquid and vapor.

[Prevention]:

- P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
- P235 Keep cool.
- P240 Ground / bond container and receiving equipment.
- P241 Use explosion-proof electrical / ventilating / light / equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P280 Wear protective gloves / eye protection / face protection.

[Response]:

- P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:

- P403+233 Store in a well ventilated place. Keep container tightly closed.

[Disposal]:

- P501 Dispose of contents / container in accordance with local / national regulations.

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substance

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Ethanol CAS Number: 0000064-17-5	50 - 75	Flam. Liq. 2;H225	[1][2]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

3.2. Mixture

No additional information available

SECTION 4: First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	This form of application makes inhalation virtually impossible, but if it does occur: administer fresh air, should symptoms develop, contact a doctor.
Eyes	Immediately rinse eyes with plenty of water, remove contact lenses, occasionally lifting upper and lower lids, until no evidence of product remains. Obtain medical attention.
Skin	Although this product is not expected to be irritating, sensitizing or cause allergic reaction when used as indicated, if symptoms do arise, rinse affected area with plenty of water until no evidence of the product remains. Obtain medical attention if irritation persists.
Ingestion	This form of application is abnormal however if vomiting occurs, keep head below hips to prevent aspiration. Dilute mouth by rinsing with water. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

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

Overview	Contact with eyes may cause irritation, experienced as discomfort or pain, excessive blinking and tear production, with marked excess redness and swelling. If this product is ingested it may cause nausea. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.
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4.3. Indication of any immediate medical attention and special treatment method

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

CO2, Dry Chemical, Foam

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon oxides
Keep away from heat / sparks / open flames / hot surfaces - No smoking.
Keep cool.
Ground / bond container and receiving equipment.
Use explosion-proof electrical / ventilating / light / equipment.

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Use only non-sparking tools.
Take precautionary measures against static discharge.

5.3. Advise for firefighters

Dangerous fire hazard when exposed to heat or flame. Moderate explosion hazard when exposed to heat or flame.

Use breathing apparatus with independent air supply. Fire-fighting operations, rescue and clearing work under effect of combustion and smolder gases just may be done with breathing apparatus.

Cool endangered containers with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

ERG Guide No. 127

SECTION 6: Accidental release measure

6.1. Personal precautions, protective equipment and emergency procedure

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Collect in flammable waste container for disposal.

6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation. Use personal protective clothing. The spill area will be slippery, absorb vermiculite, fuller earth or sand. Prevent liquid from entering sewers or waterways.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The requirements of the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations apply if the flashpoint is between 21°C and 32°C. See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.

Incompatible materials: Strong oxidizing agents, strong bases

Keep container in a tightly closed container, away from heat and sunlight. Storage temperature range 20-30 °C.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000064-17-5	Ethanol	OSHA	TWA 1000 ppm (1900 mg/m ³)
		ACGIH	STEL: 1000 ppm Revised 2009,
		NIOSH	TWA 1000 ppm (1900 mg/m ³)
		Supplier	No Established Limit

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Carcinogen Data

CAS No.	Ingredient	Source	Value
0000064-17-5	Ethanol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure control

Respiratory	Not normally required.
Eyes	When used correctly, and under normal conditions, eye protection is not required. Safety glasses recommended during transfer.
Skin	Not normally required.
Engineering Controls	Local: Not required
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear Gel/ Liquid
Odor	Alcohol Odor
Odor threshold	Not Measured
pH	6.5 - 7.5 @ 25C
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	~30C
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	0.96 - 1.00 @ 25C
Solubility in Water	Soluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured

9.2. Other information

No other relevant information.

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Evolution of highly flammable gases/vapours. Uncleaned empty vessels may contain product gases which can form explosive mixtures with air. Heating.

10.5. Incompatible materials

Strong oxidizing agents, strong bases.

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10.6. Hazardous decomposition products

Carbon oxides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Ethanol - (64-17-5)	7,060.00, Rat - Category: NA	20,000.00, Rabbit - Category: NA	124.70, Rat - Category: NA	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable

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Aspiration hazard	---	Not Applicable
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SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Ethanol - (64-17-5)	42.00, Oncorhynchus mykiss	2.00, Daphnia magna	17.921 (96 hr), Ulva pertusa

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvBt assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Destroy by liquid incineration. Use absorbent material and deposit in toxic landfill in accordance with local, state, and federal regulations.

SECTION 14: Transport information

Transport as limited quantities is not regulated.

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1170	UN1170	UN1170
14.2. UN proper shipping name	UN1170, Ethanol solutions, 3, II	Ethanol solutions	Ethanol solutions
14.3. Transport hazard class(es)	DOT Hazard Class: 3 DOT Label: 3	IMDG:	3
14.4. Packing group	II	II	II
14.5. Environmental hazards	IMDG Marine Pollutant: No		
14.6. Special precautions for user	No further information		

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SECTION 15: Regulatory information

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

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	B2
US EPA Tier II Hazards	Fire: Yes Sudden Release of Pressure: No Reactive: No Immediate (Acute): No Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

EPCRA 302 Extremely Hazardous :

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

EPCRA 313 Toxic Chemicals:

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

Proposition 65 - Carcinogens (>0.0%):

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

Proposition 65 - Developmental Toxins (>0.0%):

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

Proposition 65 - Female Repro Toxins (>0.0%):

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

Proposition 65 - Male Repro Toxins (>0.0%):

(To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.)

N.J. RTK Substances (>1%):

Ethanol

Penn RTK Substances (>1%):

Ethanol

SECTION 16: Other

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

Gluten free in this product.

No animal testing on this product.

Product Sales Information: 1-866-722-8675

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their own use. In no event shall Essity Professional Hygiene North America be liable for any claims, losses, or damages of any third party or for loss of profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Essity Professional Hygiene North America has been advised of the possibility of such damages.

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