400022, 400217 40002170 & 400023 Tork Hand Sanitizer Alcohol Foam

Safety Data Sheet

according to OSHA Hazard Communication Standard (HCS) 2012

Date of issue: 1/26/2020 Revision date: N/A Version: 0

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

1.1. Product identifier

1.1. Product identifier

Product Identity	400022, 400217, 40002170 & 400023 Tork Hand Sanitizer Alcohol Foam
Alternate Names	400022, 400217, 40002170 & 400023 Tork Hand Sanitizer Alcohol Foam

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

Intended use	A topical antiseptic solution for hands that is effective in destroying certain bacteria.
Application Method	Apply 2 - 3 ml. to clean, dry hands. Rub thoroughly onto hands and 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

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

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Flammable liquids Category 2

2.2. GHS Label elements, including precautionary statements

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

Signal word: Danger

Highly flammable liquid and vapor

Appearance: Clear to Slightly Hazy, Colorless, Water-Thin Liquid **Physical state:** Water-Thin Liquid **Odor:** Alcohol

[Prevention]:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting/ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection.

[Response]:

Skin
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Fire
In case of fire: Use CO2, dry chemical, or foam for extinction.
Precautionary Statements - Storage
Store in a well-ventilated place. Keep cool.
Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant.

2.3. Hazards not otherwise classified (HNOC)

Not applicable

2.4. Unknown Toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity

2.5. Other information

Toxic to aquatic life

Prolonged or repeated contact may dry skin and cause irritation.

May cause slight eye irritation.

2.6. Interactions with Other Chemicals

None known.

SECTION 3: Composition/information on ingredients

3.1. Substance

Chemical name	CAS No	Weight-%	Trade Secret
Ethyl Alcohol 70% v/v	64-17-5	50 - 100	*
Water	7732-18-5	10 - 50	*
PEG-8 Dimethicone	68937-54-2	0 - 10	*
Meadowfoamamidopropyl Betaine	Proprietary	0 - 10	*
Glyceryl Caprylate/Caprate	91744-32-0	0 - 10	*
Glycerin	56-81-5	0 - 10	*
Tocopheryl Acetate	7695-91-2	0 - 10	*
Isopropyl Myristate	110-27-0	0 - 10	*

The exact percentage (concentration) of composition has been withheld as a trade secret

3.2. Mixture

No additional information available

SECTION 4: First aid measures

4.1. Description of first aid measures

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation Remove to fresh air. If breathing is difficult, (trained personnel should) give oxygen. If not breathing, give artificial respiration.

Ingestion Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

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

Most Important Symptoms and Effects No information available.

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

Notes to Physician Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Water spray, fog or alcohol-resistant foam. Use water spray or fog; do not use straight streams.

5.2. Unsuitable extinguishing media

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

5.3. Specific hazards arising from the chemical

Vapors can form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

Uniform Code Flammable Liquid: I-B

5.4. Hazardous Combustion Products

Carbon oxides.

5.5. Explosion Data

Sensitivity to Mechanical Impact No

Sensitivity to Static Discharge Yes

5.6. Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk.

SECTION 6: Accidental release measure

6.1. Personal precautions, protective equipment and emergency procedure

Personal precautions ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

Other Information Water spray may reduce vapor; but may not prevent ignition in closed spaces.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up

Methods for containment A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for cleaning up Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

7.2. Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Guidelines

There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 70% v/v 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m3	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m3
Glycerin 56-81-5	TWA: 10 mg/m3 mist	TWA: 15 mg/m3 mist, total particulate TWA: 5 mg/m3 mist, respirable fraction (vacated) TWA: 10 mg/m3 mist, total particulate (vacated) TWA: 5 mg/m3 mist, respirable fraction	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters.

8.2. Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

8.3. Individual protection measures, such as personal protective equipment

Eye/face protection	Tight sealing safety goggles.
Skin and body protection	Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

SECTION 9: Physical and chemical properties

9.1. Physical and Chemical Properties

Appearance	Water-Thin Liquid, Clear to Slightly Hazy, Colorless, Water-Thin Liquid
Odor	Alcohol
Odor threshold	Not Measured
pH	UNKNOWN
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash Point	22 C / 72 F
Evaporation rate (Ether = 1)	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** No data available
	Upper Explosive Limit: No data available
Vapor pressure (Pa)	No data available
Vapor Density	No data available
Specific Gravity	0.879
Solubility in Water	Miscible in water
Partition coefficient n-octanol/water (Log Kow)	0
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity (cSt)	No data available

9.2. Other information

No other relevant information.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal processing

10.4. Hazardous Polymerization

Hazardous polymerization does not occur.

10.5. Conditions to avoid

Heat, flames and sparks.

10.6. Incompatible materials
None known based on information supplied.

10.7. Hazardous decomposition products
Carbon oxides.

SECTION 11: Toxicological information
There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

11.1. Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available
Skin contact	Specific test data for the substance or mixture is not available
Ingestion	Specific test data for the substance or mixture is not available

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 70% v/v 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Glycerin 56-81-5	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m3 (Rat) 1 h
Isopropyl Myristate 110-27-0	> 10000 mg/kg (Rat)	= 5 g/kg (Rabbit)	> 41 mg/L (Rat) 1 h

11.2. Information on toxicological effects

Symptoms No information available.

11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies ONLY when consumed as alcoholic beverage.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 70% v/v 64-17-5	A3	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)
Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X – Present

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure	No information available.
Chronic Toxicity	No known effect based on information supplied. Carcinogenic potential is unknown.
Target Organ Effects	Blood. Central Nervous System (CNS). Eyes. Kidney. Liver. Reproductive System. Respiratory system. Skin.
Aspiration Hazard	No information available.

11.4. Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
11,048.00 mg/kg

ATEmix (inhalation-dust/mist)
196.90 mg/l

SECTION 12: Ecological information

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

12.1. Ecotoxicity

Toxic to aquatic organisms.

12.2. Persistence and degradability

No information available..

12.3. Bioaccumulation

No information available.

12.4. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
Contaminated Packaging	Dispose of contents/containers in accordance with local regulations.
US EPA Waste Number	D001
California Hazardous Waste Codes	311

This product contains one or more substances that are listed with the State of California as a hazardous waste.

SECTION 14: Transport information

DOT	**Proper Shipping Name**	CONSUMER COMMODITY
	Hazard Class	ORM-D
	Description	CONSUMER COMMODITY, ORM-D
	Emergency Response Guide Number	127
TDG	**UN-No.**	UN1170
	Proper Shipping Name	ETHANOL SOLUTION
	Hazard Class	3
	Packing Group	II

	Description	UN1170, ETHANOL SOLUTION, 3, II
MEX	**UN-No.**	UN1170
	Proper Shipping Name	ETHANOL SOLUTION
	Hazard Class	3
	Packing Group	II
	Description	UN1170, ETHANOL SOLUTION, 3, II
ICAO	**UN-No.**	UN1170
	Proper Shipping Name	ETHANOL SOLUTION
	Hazard Class	3
	Packing Group	II
	Description	UN1170, ETHANOL SOLUTION, 3, II
IATA	**UN-No.**	UN1170
	Proper Shipping Name	ETHANOL SOLUTION
	Hazard Class	3
	Packing Group	II
	ERG Code	3L
	Description	UN1170, ETHANOL SOLUTION, 3, II
IMDG/IMO	**UN-No.**	UN1170
	Proper Shipping Name	ETHANOL SOLUTION
	Hazard Class	3
	Packing Group	II
	EmS-No.	F-E, S-D
	Description	UN1170, ETHANOL SOLUTION, 3, II, (22°C C.C.)
RID	**UN-No.**	UN1170
	Proper Shipping Name	ETHANOL SOLUTION
	Hazard Class	3
	Packing Group	II
	Classification code	F1
	Description	UN1170, ETHANOL SOLUTION, 3, II
ADR	**UN-No.**	UN1170
	Proper Shipping Name	ETHANOL SOLUTION
	Hazard Class	3
	Packing Group	II
	Classification code	F1
	Tunnel restriction code	(D/E)
	Description	UN1170, ETHANOL SOLUTION, 3, II, (D/E)

ADN	**UN-No.**	UN1170
	Proper Shipping Name	ETHANOL SOLUTION
	Hazard Class	3
	Packing Group	II
	Classification code	F1
	Special Provisions	144, 601
	Description	UN1170, ETHANOL SOLUTION, 3, II

Hazard Labels	3
Limited Quantity	1 L
Ventilation	VE01

SECTION 15: Regulatory information

15.1. International Inventories

TSCA	Not determined
DSL	Not determined
IECSC	

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

15.2. US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

15.3. US State Regulations

California Proposition 65 – NONE

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethyl Alcohol 70% v/v 64-17-5	X	X	X		X
Glycerin 56-81-5	X	X	X	X	

15.4. International Regulations

Mexico

National occupational exposure limits

Chemical name	Carcinogen Status	Exposure Limits

Ethyl Alcohol 70% v/v		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m3
Glycerin	-	10mg/m3 (mist) TWA

Mexico - Occupational Exposure Limits - Carcinogens

Canada
WHMIS Hazard Class
Not determined

SECTION 16: Other

NFPA	**Health Hazards:** 1	**Flammability:** 3	**Instability:** 0	**Physical and Chemical Hazards:** N/A
HMIS	**Health Hazards:** 1	**Flammability:** 3	**Physical Hazard:** 0	**Personal Protection:** X

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It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product. 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.

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