



# TCS Hand Sanitizer / Item #4507FR-01

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Wednesday, May 20, 2015 / Rules and Regulations

Revision date: 05/20/15

Version: 1.0

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

#### 1.1. Product identifier

Product name : TCS Hand Sanitizer  
Product form : Single packets 5.5", 45 grams  
Other means of identification : Hand Sanitizer

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

Use of the substance/mixture : Used to sanitize hands

#### 1.3. Details of the supplier of the safety data sheet

Thermoplastic Comfort Systems, Inc  
2619 Lime Ave.  
Signal Hill, CA 90755  
(562)-426-2970

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Not classified

#### 2.2. Label elements

##### GHS-US labelling

No labelling applicable

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Ingredients

Liquid Ethanol mixture

#### 3.2. Mixture

Name	Product identifier	%
Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		100

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: No significant adverse health effects are expected to occur upon short term exposure. For long term exposure, which is not expected, upper respiratory tract irritation, drowsiness and dizziness may occur. Remove to fresh air.

First-aid measures after skin contact : IF ON SKIN (or clothing): No significant adverse health effects are expected to occur upon short term exposure. For long term exposure, which is not expected, may cause dermatitis by defatting the skin. Wash with soap and water thoroughly.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: Paper towel may present a choking hazard to children and pets. If paper towel is swallowed seek medical attention immediately. Use standard procedures to unblock airway.

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### 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.
Symptoms/injuries after inhalation	: Upper respiratory tract irritation, drowsiness and dizziness may occur. Remove to fresh air.
Symptoms/injuries after skin contact	: May cause dermatitis by defatting the skin may cause dermatitis by defatting the skin
Symptoms/injuries after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion	: Paper towel may present a choking hazard to children and pets.

### 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 : Dry Chemical, CO2 Foam, Waterspray, Water Fog and other standard extinguishing media.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard & Explosion hazard : None known

Reactivity : No dangerous reactions known under normal conditions of use.

### 5.3. Advice for firefighters

Firefighting instructions : Use dry chemical, CO2 foam, waterspray or water fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : No specific emergency measures are required.

#### 6.1.1. For non-emergency personnel

Protective equipment : None necessary

#### 6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection.

### 6.2. Environmental precautions

No special spill or leak procedures necessary for the customer.

### 6.3. Methods and material for containment and cleaning up

For containment : No special spill or leak procedures necessary for the customer.

Methods for cleaning up : No special clean up procedures necessary for the customer.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Paper towel may present a choking hazard to children and pets. Product should not be used if there is evidence of package tampering.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Prolonged storage at elevated temperatures (100degF) may degrade or dry product.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available

### 8.2. Exposure controls

Appropriate engineering controls : No special exposure controls necessary for the customer.

Personal protective equipment : None necessary under normal usage.

Hand protection : None necessary under normal usage.

Eye protection : None necessary under normal usage.

Skin and body protection : None necessary under normal usage.

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Respiratory protection : None is needed under anticipated use conditions with adequate ventilation. If exposure exceeds the occupational exposure limits, follow OSHA standards or equivalent and wear proper NIOSH/MSHA approved respiratory equipment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Moist soft paper towel  
Appearance : Moist soft paper towel  
Color : White  
Odor : Alcohol  
Odor Threshold : No data available  
pH : No data available  
Relative evaporation rate : Slower than acetone (Butyl Acetate=1)  
Melting point : Not applicable  
Freezing point : Not applicable  
Boiling point : Not applicable  
Flash point : 20-25 deg C  
Auto-ignition temperature : Not applicable  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : Not applicable  
Relative vapour density at 20 °C : Heavier than air  
Relative density : No data available  
Solubility : Not applicable  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : Not applicable  
Viscosity, dynamic : Not applicable  
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 dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

Extreme heat and open flame.

#### 10.5. Incompatible materials

None known

#### 10.6. Hazardous decomposition products

Burning may produce carbon monoxide and other harmful substances.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified  
Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified

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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Not classified
Symptoms/injuries after skin contact	: Not classified
Symptoms/injuries after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion	: Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

### SECTION 14: Transport information

In accordance with DOT

"Solids containing flammable liquids, n.o.s."

Hazard Class: 4.2

UN/NA: UN3175 (Special Provision 47)

Packing Group: II

DOT CLASSIFICATION: Flammable Solid

#### Additional information

Other information : No supplementary information available.

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### TSCA

CAS #64-17-5 is listed on the TSCA inventory.

##### SARA Codes:

CAS #64-17-5: Immediate, delayed, fire.

#### Section 302 / 304:

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No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA.

### SARA 313:

This material contains the following chemicals with known CAS numbers subject to the reporting requirements of **SARA Title III, Section 313 and 40 CFR Part 372.**

### Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any **Class 1 Ozone Depletors.**

This material does not contain any **Class 2 Ozone Depletors.**

### Clean Water Act:

None of the chemicals in this product are listed as **Hazardous Substances under the CWA.**

None of the chemicals in this product are listed as **Priority Pollutants under the CWA.**

None of the chemicals in this product are listed as **Toxic Pollutants under the CWA.**

### State:

CAS #64-17-5 may be found under the following right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts and Rhode Island.

### California Prop 65:

**Warning:** This product contains Ethyl Alcohol, a chemical known to the State of California to cause birth defects or other reproductive harm when in beverage form.

## SECTION 16: Other information

Indication of changes : Revision 1.0: New SDS Created.

Revision date : 05/20/2015

Other information : Author: MSP.

NFPA health hazard : 1 – No significant risks to health.

NFPA fire hazard : 3 – Slightly Combustible if heated.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

Health : 1

Flammability : 3

Physical : 0

Personal Protection :

All information, recommendations and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, Thermoplastic Comfort System, Inc. makes no warranty, representation or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his/her own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Thermoplastic Comfort System, Inc. as to the effects of such use. Thermoplastic Comfort System, Inc. does not assume any liability arising out of use by others of the product referred to herein. The data in this Material Safety Data Sheet relate only to the specific material designated herein and does not relate to use in combination with any other material.