



**SAFETY DATA SHEET**

**Preparation Date:** May 28, 2015  
**Supersedes Date:** Jun 14, 2011

**Version Number:** 07

**SECTION 1 PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT IDENTIFIER**

**Product Name** DCT Hand Sanitizer  
**Product Form** Gel Ready-to-Use  
**PGP Number** 2-90

**RECOMMENDED USE AND RESTRICTIONS ON USE**

Hand Sanitizer

**COMPANY IDENTIFICATION**

**Supplier** Diversified Chemical Technologies, Inc.  
15477 Woodrow Wilson, Detroit, MI 48238  
(313) 867-5444

**EMERGENCY TELEPHONE NUMBER**

**24 Hour Emergency Phone Number (Health & Safety; Transportation)** CHEMTREC - (800) 424-9300

**SECTION 2 HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION**

Product has not been tested as a whole to determine its GHS classification. Hazard categories are based on individual ingredient hazard categories. Refer Section 16 for additional GHS Phrases.

Health Hazard Class	Hazard Category
Flammable Liquids	3

**GHS LABEL ELEMENTS**

**Pictogram**



**GHS Signal Word**  
**WARNING**

**GHS Hazard Phrases**

Flammable liquid and vapor.

**GHS Precaution Phrases**

Keep container tightly closed.

**GHS Response Phrases**

In case of fire, use CO2 OR DRY CHEMICAL fire extinguisher to extinguish.

**GHS Storage and Disposal Phrases**

Store in cool/well-ventilated place.  
Dispose of contents/container in trash.

**POTENTIAL HEALTH EFFECTS (Acute and Chronic)**

**Chronic:** None expected.

**Acute- Inhalation** May cause mild, temporary irritation to respiratory tract upon prolonged, repeated exposures.  
**Acute-Skin Contact** Not considered a skin irritant.

**Product Name:** DCT Hand Sanitizer *Ready-to-Use*

**Preparation Date:** May 28, 2015

**Acute-Eye Contact** May cause irritation upon prolonged, repeated exposures.  
**Acute-Ingestion** May be harmful if swallowed.

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

CAS Number	Ingredients*	Percentage Range
64-17-5	Ethyl alcohol	55 – 70

\*Identity of other chemicals and/or exact percentage (concentration) has been withheld as a trade secret.

**SECTION 4 FIRST AID MEASURES**

**IN CASE OF INHALATION**

Remove from exposure and move to fresh air immediately.

**IN CASE OF SKIN CONTACT**

Flush skin with plenty of water.

**IN CASE OF EYE CONTACT**

Flush eyes with plenty of water.

**IN CASE OF INGESTION**

Do NOT induce vomiting. If victim is conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

**SIGNS AND SYMPTOMS OF EXPOSURE**

The chemical, physical, and toxicological properties of the product have not been investigated to determine signs and symptoms of exposure.

**NOTE TO PHYSICIAN**

Treat symptomatically and supportively. It is advisable not to induce vomiting due to the risk of aspiration and it is not usually necessary unless a large amount has been ingested or it has been contaminated with another product.

**SECTION 5 FIRE FIGHTING MEASURES**

<b>Flash Point</b>	73 °F
<b>Flash Point Method</b>	PMCC

<b>Explosive Limits</b>	LEL: N/D	UEL: N/D
<b>Auto Ignition Point</b>	N/D	

**SUITABLE EXTINGUISHING MEDIA** Use water spray, dry chemical, carbon dioxide, or chemical foam.

**FIRE FIGHTING INSTRUCTIONS** As in any fire, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

**FLAMMABLE PROPERTIES AND HAZARDS** No data available

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**NOTIFICATION PROCEDURES**

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. National Response Center (24-HR Reporting): (800) 424-8802.

**SAFETY PRECAUTIONS**

Avoid breathing large amounts of vapors, mist or gas. Ensure adequate ventilation. Keep out of reach of children.

**Product Name:** DCT Hand Sanitizer *Ready-to-Use*

**Preparation Date:** May 28, 2015

**CONTAINMENT AND CLEANUP**

Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions. Absorb spill with inert material and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

**SECTION 7 HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING**

Avoid contact with eyes.

**PRECAUTIONS TO BE TAKEN IN STORAGE**

Keep container closed when not in use. Avoid heat. Keep out of reach of children.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

CAS #	Ingredients	OSHA TWA	ACGIH TWA	Other Limits
64-17-5	Ethyl alcohol	PEL: 1000 ppm	TLV: 1000 ppm; STEL: 1000 ppm	N/A

**ENGINEERING CONTROLS**

None

**WORK/HYGIENIC/MAINTENANCE PRACTICES**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing separate from home laundry and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping. Do not store work clothing and protective equipment in the same locker as personal clothing.

**PERSONAL PROTECTIVE EQUIPMENT**

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal use.

<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions.
<b>Hand Protection</b>	No protective equipment is needed under normal use conditions.
<b>Eye Protection</b>	No protective equipment is needed under normal use conditions.
<b>Skin and Body Protection</b>	No protective equipment is needed under normal use conditions.

**OTHER PROTECTIVE EQUIPMENT** None required under normal use conditions.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Clear Gel
<b>Physical State</b>	Liquid
<b>Odor</b>	Alcohol-like
<b>pH</b>	7.5
<b>Melting Point</b>	N/A
<b>Boiling Point</b>	176 °F

<b>Specific Gravity (water = 1)</b>	0.894
<b>Vapor Pressure</b>	N/D
<b>Viscosity</b>	N/AV
<b>Evaporation Rate (water = 1)</b>	N/D
<b>Volatile Organic Compounds (%)</b>	97.7
<b>Solubility in Water</b>	Completely

**SECTION 10 STABILITY / REACTIVITY**

<b>Chemical Stability</b>	<i>Unstable</i> [ ] <i>Stable</i> [ X ]
<b>Conditions to Avoid</b>	Heat, flames and sparks
<b>Reactivity / Incompatibility</b>	Oxidizing agents

**Product Name:** DCT Hand Sanitizer *Ready-to-Use*

**Preparation Date:** May 28, 2015

**Hazardous Decomposition** Material does not decompose at ambient temperature. Thermal decomposition can produce a variety of compounds, the nature of which will largely depend on the conditions bringing about decomposition. Incomplete combustion or thermal decomposition may be expected to generate such materials as: particulate matter and unburned, hydrocarbons; other unidentified organic and inorganic compounds.

**Hazardous Reactions** *Will occur* [ ] *Will not occur* [ X ]

**SECTION 11 TOXICOLOGICAL INFORMATION**

**CARCINOGENICITY**

Product is not tested for carcinogenicity. No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen, except as identified below;

**IARC:** Not Listed **ACGIH:** Not Listed **NTP:** Not Listed

**PRODUCT TOXICOLOGICAL DATA**

Product is not tested for classification under the following categories:

**LD50 (Oral), LC50 (Inhalation), Dermal Toxicity (Skin), Skin Corrosion/Irritation, Serious Eye Damage/Irritation, Respiratory/ Skin Sensitization, Germ Cell Mutagenicity, Carcinogenicity, Reproductive Toxicity, STOT-single exposure, STOR-repeated exposure, Aspiration Hazard**

**INGREDIENT TOXICOLOGICAL DATA**

None of the ingredients above 1% concentration (0.1% for carcinogens) trigger the hazard rating or classify under the following categories, unless indicated below:

**LD50 (Oral), LC50 (Inhalation), Dermal Toxicity (Skin), Skin Corrosion/Irritation, Serious Eye Damage/Irritation, Respiratory/ Skin Sensitization, Germ Cell Mutagenicity, Carcinogenicity, Reproductive Toxicity, STOT-single exposure, STOR-repeated exposure, Aspiration Hazard**

**SECTION 12 ECOLOGICAL INFORMATION**

**General Ecological Information** N/AV. **Persistence and Degradability** N/AV  
**Bioaccumulative Potential** N/AV. **Mobility in Soil** N/AV

**SECTION 13 DISPOSAL CONSIDERATIONS**

Dispose in regular trash for landfilling.

**SECTION 14 TRANSPORT INFORMATION**

	LAND (US DOT)	MARINE (IMDG)	AIR (IATA)
<b>Proper Shipping Name</b>	Ethanol Solutions		
<b>Hazard Class</b>	3		
<b>ID Number</b>	UN1170		
<b>Packaging Group</b>	II		

**Additional Information**

**DOT Quantity Limitation:** 5L

**DOT Label for Limited Quantities:** LQ diamond per 49CFR172.315

**SECTION 15 REGULATORY INFORMATION**

**EPA SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986) LISTS**

[302 (EHS) TPQ, 304 CERCLA RQ, 304 EHS RQ, 313 (TRI)]

None of the ingredients above 1% concentration (0.1% for carcinogens) are identified in the lists

**Product Name:** DCT Hand Sanitizer *Ready-to-Use*

**Preparation Date:** May 28, 2015

SARA TITLE III SECTION 311/312 CATEGORIZATION (40 CFR 370)	Yes	No
Acute (immediate) Health Hazard		X
Chronic (delayed) Health Hazard		X
Fire Hazard	X	
Sudden Release of Pressure Hazard		X
Reactive Hazard		X

**STATE AND OTHER US EPA REGULATIONS**

California Prop. 65 - N/A

**WHMIS CLASSIFICATION (1988)** D2B (Stylized T) and B2 (Flammable and Combustible Material)

*This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.*

**NATIONAL INVENTORIES**

TSCA	Yes
CAA HAP, ODC	No
CWA NPDES	No
CEPA (DSL/NDSL)	Yes
KECI	N/D

AICS	N/D
IECSC	N/D
EINECS	N/D
ENCS	N/D
PICCS	N/D

**SECTION 16 OTHER INFORMATION**

**ADDITIONAL GHS PHRASES**

GHS phrases provided below are in addition to the phrases available in Section 2. GHS phrases are identified in accordance with GHS regulations and are triggered for each hazard category. Because of nature of use and quantity, following are not applicable for labeling.

*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.*

*IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.*

**NFPA RATING** Health (Blue): 1 Flammability (Red): 3 Reactivity (Yellow): 0 Specific Hazard(s) (White): None

**NFPA RATING** Health (Blue): 1 Flammability (Red): 3 Reactivity (Yellow): 0 Personal Protective Equipment: None

**THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS**

EU format MSDS to GHS format SDS; Ingredient/percentage

**USER RESPONSIBILITY** It is the user's responsibility to determine the suitability and adopt precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of this product.

**PREPARED BY**

Corporate Environment/Health and Safety Department of Diversified Chemical Technologies, Inc. and Subsidiaries

**THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE RELIABLE AND ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.**