



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.

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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

Flash Point	73 °F
Flash Point Method	PMCC

Explosive Limits	LEL: N/D	UEL: N/D
Auto Ignition Point	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.

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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.

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

OTHER PROTECTIVE EQUIPMENT None required under normal use conditions.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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

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

SECTION 10 STABILITY / REACTIVITY

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

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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)
Proper Shipping Name	Ethanol Solutions		
Hazard Class	3		
ID Number	UN1170		
Packaging Group	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

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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/NDL)	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

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