



SAFETY DATA SHEET

Preparation Date: Jun21, 2017
Supersedes Date: Nov 25, 2014

Version Number: 08

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

Product Name DCT Citri-Fresh Drain Maintainer and Deodorizer
Product Use Liquid Ready-to-Use
Product ID Number DCT130280
PGP Number 9-55

RECOMMENDED USE AND RESTRICTIONS ON USE

Drain cleaner and deodorant

COMPANY IDENTIFICATION

Manufacturer 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.

| Hazard Class | Hazard Category |
|-----------------------------------|-----------------|
| Serious Eye Damage/Eye Irritation | 2B |
| Skin Corrosion/Irritation | 3 |

GHS LABEL ELEMENTS

Pictogram

None

GHS Signal Word

WARNING

GHS Hazard Phrases

Causes eye irritation.
Causes mild skin irritation.

GHS Precaution Phrases

Wash hands thoroughly after handling.

GHS Response Phrases

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists, get medical advice/attention.
If skin irritation occurs, get medical advice/attention.

GHS Storage and Disposal Phrases

No phrases apply

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POTENTIAL HEALTH EFFECTS (Acute and Chronic)

Chronic: Product has not been tested as a whole to determine its acute and long-term effects. The product does contain ingredients that potentially may affect from repeated excessive exposures.

Acute- Inhalation May cause respiratory tract irritation. May be harmful if inhaled.

Acute-Skin Contact Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.

Acute-Eye Contact Causes eye irritation.

Acute-Ingestion May cause irritation of the digestive tract.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

| CAS Number | Ingredients* | Percentage Range |
|------------|--|------------------|
| 68991-48-0 | Nonionic surfactant | 0.1 – 2.0 |
| 5989-27-5 | (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene | 10 – 15 |

*Identity of any 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. If breathing is difficult, give oxygen. Get medical aid. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

IN CASE OF SKIN CONTACT

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

IN CASE OF EYE CONTACT

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been investigated

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 | >210 °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

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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

Use suitable protective clothing appropriate to spill size and risk of exposure. Refer to Section 8 for further details. Use extreme caution because affected area(s) may be slippery. For industrial use only. Keep out of reach of children.

CONTAINMENT AND CLEANUP

Avoid runoff into sanitary and 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 skin, eyes, and clothing. Wear suitable protective equipment (see Section 8). Avoid breathing mist or vapor – use only in a well-ventilated area. Unvented containers may develop pressure – use with caution. Wash skin thoroughly after handling.

PRECAUTIONS TO BE TAKEN IN STORAGE

Store in dry conditions protected from frost and elevated temperatures – covered storage is recommended. Keep containers closed when not in use. Store away from incompatible materials (see Section 10). Long-term storage temperatures should not exceed 120° F. Keep away from sparks, heat and flame. Do not mix with oxidizing materials.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| CAS # | Ingredients | OSHA TWA | ACGIH TWA | Other Limits |
|-----------|--|----------|---------------------------|--------------|
| 5989-27-5 | (R)-1-Methyl-4-(1-methylethenyl)-cyclohexene | N/A | CEIL: 2 mg/m ³ | N/A |

ENGINEERING CONTROLS

The level of ventilation necessary will vary depending upon potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded. If heavy misting is present, local exhaust ventilation should be considered in addition to general mechanical ventilation.

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.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------|----------------------|
| Appearance | White to pale yellow |
| Physical State | Emulsion |
| Odor | Citrus-like odor |
| pH | 7 - 9 |
| Melting Point | N/A |
| Boiling Point | N/A |

| | |
|---------------------------------------|---------------|
| Specific Gravity (water = 1) | 0.945 – 0.965 |
| Vapor Pressure | N/D |
| Viscosity | N/AV |
| Evaporation Rate (water = 1) | N/D |
| Volatile Organic Compounds (%) | 14.0 |
| Solubility in Water | Completely |

SECTION 10 STABILITY / REACTIVITY

| | |
|-------------------------------------|---|
| Chemical Stability | <i>Unstable</i> [] <i>Stable</i> [X] |
| Conditions to Avoid | Extremely high temperatures |
| Reactivity / Incompatibility | Strong oxidizing agents |
| Hazardous Decomposition | Material does not decompose at ambient temperature. Incomplete combustion or thermal decomposition may be expected to generate such materials as: particulate matter and unburned, hydrocarbons; oxides of carbon; water vapor; and other unidentified organic and inorganic compounds. |
| Hazardous Reactions | <i>Will occur</i> [] <i>Will not occur</i> [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 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 |

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SECTION 13 DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Contact a licensed professional waste disposal service to dispose of this material. Preferred method of disposal is to dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Contaminated Packaging Dispose of as unused product.
Empty Containers Clean empty containers of any residue per 40CFR261.7 guidelines and either recycle containers or dispose of in normal trash.

SECTION 14 TRANSPORT INFORMATION

| | LAND (US DOT) | MARINE (IMDG) | AIR (IATA) |
|-----------------------------|------------------------------|---------------|------------|
| Proper Shipping Name | Terpene hydrocarbons, n.o.s. | | |
| Hazard Class | 3 | | |
| ID Number | UN2319 | | |
| Packaging Group | III | | |

Additional Information

DOT Quantity Limitation: 60 L

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 RQ, 313 TRI]

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

| 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/AP

WHMIS CLASSIFICATION (1988) D2B (Stylized T)

This product has been classified under WHMIS 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 |

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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.

NFPA RATING Health (Blue): 1 Flammability (Red): 0 Reactivity (Yellow): 0 Specific Hazard(s) (White): None
HMIS RATING Health (Blue): 1 Flammability (Red): 0 Reactivity (Yellow): 0 Personal Protective Equipment: A or B

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS

Conversion from EU format MSDS to GHS format SDS; Ingredient/concentration
08: Section 8 updates to personal protective equipment

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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