



SAFETY DATA SHEET

Preparation Date: Jun 15, 2017

Supersedes Date: Apr 10, 2015

Version Number: 08

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

Product Name Citri-Brite Stainless Steel Cleaner
Product Use Liquid Ready-to-Use
Product ID Number DCT120090
PGP Number 9-70

RECOMMENDED USE AND RESTRICTIONS ON USE

Cleaner and Polisher for Stainless Steel Equipment

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

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and Workplace Hazardous Materials Information System (WHMIS) 2015, and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

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
Skin Corrosion/Irritation	3

GHS LABEL ELEMENTS

Pictogram

None

GHS Signal Word
WARNING

GHS Hazard Phrases

Causes mild skin irritation.

GHS Precaution Phrases

No phrases apply

GHS Response Phrases

If skin irritation occurs, get medical advice/attention.

GHS Storage and Disposal Phrases

No phrases apply

POTENTIAL HEALTH EFFECTS (Acute and Chronic)

Chronic: Prolonged or repeated direct skin contact may cause dermatitis.

Acute- Inhalation Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled..

Acute-Skin Contact Causes mild skin irritation in full concentration.

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Acute-Eye Contact Prolonged or repeated contact with liquid is corrosive to the eyes.
Acute-Ingestion Ingestion of large amounts may cause gastrointestinal irritation.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

CAS Number	Ingredients*	Percentage Range
94266-47-4	D-Limonene	1 - 10

*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. 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. Get medical aid if irritation develops or persists. Wash clothing before reuse.

IN CASE OF EYE CONTACT

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Assure adequate flushing by separating the eyelids with fingers. 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. If swallowed, wash out mouth with water provided person is conscious. Get medical aid.

SIGNS AND SYMPTOMS OF EXPOSURE

The chemical, physical, and toxicological properties of the product are not investigated. To the best of our knowledge, based on ingredients, the most important known symptoms and effects are described in section 2.

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	204 °F
Flash Point Method	PMCC

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

SUITABLE EXTINGUISHING MEDIA

Use dry sand or earth to smother fire. Use extinguishing media appropriate to surrounding fire conditions. For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

FIRE FIGHTING INSTRUCTIONS

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Use water with caution and in flooding amounts. Contact with moisture or water may generate sufficient heat to ignite nearby combustible materials. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated

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 personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Vapors can accumulate in low areas. For industrial use only. Keep out of reach of children.

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

Wash thoroughly after handling. Do not breathe dust, mist, or vapor. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale. Use with adequate ventilation. Unvented containers may develop pressure – use with caution.

PRECAUTIONS TO BE TAKEN IN STORAGE

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Protect from freeze and high temperatures (>140 °F). Keep away from sparks, heat and flame. Keep out of reach children.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

CAS #	Ingredients	OSHA TWA	ACGIH TWA	Other Limits
N/A	N./A	N/A	N/A	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 None required under normal intended conditions of product use. However, if vapors or mists are present and if engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, a NIOSH/MSHA approved respirator may be appropriate.

Hand Protection None required under normal intended conditions of product use. If direct exposure is likely, wear appropriate protective gloves to prevent skin exposure. The types of gloves to be considered for this material include: **Nitrile/Latex**.

Eye Protection None required under normal intended conditions of product use. If direct exposure is likely, safety goggles or safety glasses are recommended. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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Skin and Body Protection None required under normal intended conditions of product use. If direct exposure is likely, long-sleeved shirt and pants, at a minimum is recommended.

OTHER PROTECTIVE EQUIPMENT Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless to straw-colored	Specific Gravity (water = 1)	0.84 - 0.88
Physical State	Liquid	Vapor Pressure	N/D
Odor	Mild Citrus	Density (calculated), lb/gal	7.0 - 7.3
pH	N/A	Evaporation Rate (water = 1)	N/D
Melting Point	N/A	Volatile Organic Compounds (%)	6.0
Boiling Point	N/A	Solubility in Water	Emulsion

SECTION 10 STABILITY / REACTIVITY

Chemical Stability *Unstable* [] *Stable* [X]
Conditions to Avoid None known.
Reactivity / Incompatibility Strong oxidizing agents, strong acids.
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; oxides of carbon, oxides of potassium.; and 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

No ingredients present at levels greater than or equal to 0.1% 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	Not Regulated		
Hazard Class	Not Regulated		
ID Number	Not Regulated		
Packaging Group	Not Regulated		

Additional Information

DOT Quantity Limitation: N/A

DOT Label for Limited Quantities: N/A

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 and 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/A

NATIONAL INVENTORIES

TSCA	Yes	AICS	N/D
CAA HAP, ODC	No	IECSC	N/D
CWA NPDES	No	EINECS	N/D
CEPA (DSL/NDL)	Yes	ENCS	N/D
KECI	N/D	PICCS	N/D

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SECTION 16

OTHER INFORMATION

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

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS

EU format MSDS to GHS format SDS; Ingredient/percentage
08: SDS aligns with WHMIS 2015. No change in hazard classification & rating; 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

Environmental, Health and Safety Department of Diversified Chemical Technologies, Inc. and Subsidiaries

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