

MATERIAL SAFETY DATA SHEET**Product Name** DCT STAINLESS STEEL CLEANER AND POLISH**MSDS Date** June 21, 2012**Revision No.** 05

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SECTION 1 **PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT

Product Name DCT Stainless Steel Cleaner and Polish
Product ID Number DCT130130
Product Description Cleaner & Polisher of Stainless Steel Equipment

COMPANY IDENTIFICATION

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

Product Technical Information (313) 867-5444**24 Hour Emergency Phone Number (Health & Safety; Transportation)** CHEMTREC - (800) 424-9300

SECTION 2 **COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous Ingredients	CAS Number	OSHA PEL	ACGIH TLV	OTHER	% WT
Light mineral oil, NF	8042-47-5	5 mg/m3	5 mg/m3 oil mist	10 mg/m3 STEL	20 – 30
Oleic acid (food grade)	112-80-1	none established			1 – 5
Potassium oleate	143-18-0	none established			1 – 5

SECTION 3 **HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW May cause eye and skin irritation in full concentration. Avoid contact with eyes and skin. Wash thoroughly after handling.

POTENTIAL HEALTH EFFECTS**Acute Effects**

Inhalation Slight irritation to respiratory tract in full concentration.
Eye Slight irritation to the eyes in full concentration.
Skin Slight skin irritation in full concentration
Ingestion No known effects or hazards.

Chronic Effects Product has not been tested as a whole to determine its long-term effects.

Carcinogenicity None **IARC:** N/AP **NTP:** N/AP **OSHA:** N/AP

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SECTION 4 FIRST AID MEASURES

INHALATION	Remove to fresh air.
EYE CONTACT	Remove contact lenses. Hold eyelids apart and rinse eyes with plenty of water. Get medical attention if irritation persists.
SKIN CONTACT	Rinse skin with plenty of water. Get immediate medical attention if irritation persists.
INGESTION	Do not induce vomiting. Wash out mouth with water and obtain medical attention if symptoms or irritation occur

SECTION 5 FIRE FIGHTING MEASURES

Flash Point	>200 F
Flash Point Method	PMCC
Auto Ignition Temperature	N/D
Flammable Limits:	LEL - N/D UEL - N/D

Appropriate Extinguishing Media Dry Chemical, Foam, CO2

Fire Fighting Instructions Firefighters should wear self-contained breathing apparatus (SCBA) and protection for skin. Do not spray water directly into storage containers due to boil over danger. Water may be used to cool nearby containers and surfaces.

Hazardous Combustion Products Irritating fumes, toxic gases and acrid smoke. Combustion can produce a variety of compounds including oxides of carbon; water vapor; unburned hydrocarbons; partially oxidized organic compounds and other unidentified organic and inorganic compounds.

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.

GENERAL Stop leak if you can do so without risk. Contain spill / release and prevent entry into sewer drains and waterways. Retain all contaminated water for removal and treatment.

SAFETY PRECAUTIONS Use suitable protective clothing appropriate to spill size and risk of exposure. Refer to Section 8 for further details. For industrial use only. Keep out of reach of children.

SPILL OR LEAK PROCEDURES Confine spill / release and absorb spilled material with noncombustible, inert absorbent such as sand, clay, or vermiculite and place into DOT-approved containers for later disposal.

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SECTION 7**HANDLING AND STORAGE****continued**

HANDLING

Avoid contact with skin and eyes. Handle with care under full concentration.
Wash skin thoroughly after handling.

STORAGE

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 out of children's reach.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS General ventilation should be provided so that exposure to airborne contaminants are not exceeded

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection No protective equipment is needed under normal use conditions.

Hand Protection No protective equipment is needed under normal use conditions.

Skin Protection No protective equipment is needed under normal use conditions.

Eye Protection No protective equipment is needed under normal use conditions.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	White emulsion
Physical State	Liquid
Odor	mild
pH	7.8 - 8.2
Melting Point	N/AP
Boiling Point	N/AV
Flash Point	>200 F (PMCC)
Evaporation Rate (water = 1)	N/AV
Vapor Pressure	N/AV
Vapor Density	N/AV
Density (lb/gal)	N/AV
Specific Gravity (water = 1)	0.9744
Solubility	Complete
Volatile Organic Compounds (%)	N/D
Viscosity (cps)	N/AV

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SECTION 10 **STABILITY / REACTIVITY**

Chemical Stability Material is stable and unlikely to react in a hazardous manner during recommended storage conditions and normal conditions of use.

Reactivity / Incompatibility Strong oxidizing agents, strong acids, strong bases

Hazardous Decomposition Material does not decompose at ambient temperature.

Hazardous Polymerization Will not occur.

SECTION 11 **TOXICOLOGICAL INFORMATION**

Product Toxicological Data

LD50 (Oral) N/D

LC50 (Inhalation) N/D

Dermal Toxicity Data (Skin) N/D

Skin and Eye Irritation Data N/D

Mutation Data N/D

Reproductive Effects Data N/D

Ingredient Toxicological Data

LD50 (Oral) N/AV

LC50 (Inhalation) N/AV

Dermal Toxicity Data (Skin) N/AV

Skin and Eye Irritation Data N/AV

N/AV

Mutation Data N/AV

Reproductive Effects Data N/AV

SECTION 12 **ECOLOGICAL INFORMATION**

Product Ecological Information N/AV

Ingredient Ecological Information N/AV

SECTION 13 **DISPOSAL CONSIDERATIONS**

Waste Disposal Follow all applicable federal, state, local and provincial regulations. It is the end-user's responsibility to determine the regulatory status of waste at the time of disposal.

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SECTION 14 **TRANSPORT INFORMATION**

LAND (DOT)

DOT Proper Shipping Name	None Required (Not DOT-Regulated)
DOT Hazard Class	N/AP
DOT Subsidiary Risk	N/AP
DOT ID Number	N/AP
DOT Packaging Group	N/AP

SEA (IMDG)

IMDG Proper Shipping Name	None Required (Not IMDG-Regulated)
IMDG Hazard Class	N/AP
IMDG Subsidiary Risk	N/AP
IMDG ID Number	N/AP
IMDG Packaging Group	N/AP

AIR (IATA)

IATA Proper Shipping Name	None Required (Not IATA-Regulated)
IATA Hazard Class	N/AP
IATA Subsidiary Risk	N/AP
IATA ID Number	N/AP
IATA Packaging Group	N/AP
Additional Information	N/AP

SECTION 15 **REGULATORY INFORMATION**

U.S. Federal Regulations

SARA Title III Section 311/312 Categorization (40 CFR 370)	Acute – Immediate Hazard
SARA Title III Section 313 Categorization (40 CFR 372)	<i>This product contains a chemical(s)</i>
subject to the reporting requirements of Section 313 of Title III of SARA: Certain Glycol Ether Compounds (N230) – 2.8%	
302 (EHS) TPQ (40 CFR 355)	None
304 CERCLA RQ (302.4)	None
304 EHS RQ (40 CFR 116.4)	None

State Regulations

California Prop. 65	N/AP
Identification of Prop. 65 Ingredient(s)	N/AP

OSHA CLASSIFICATION CAUTION

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SECTION 15	REGULATORY INFORMATION	continued
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WHMIS CLASSIFICATION D2B (Stylized T)

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	EINECS	N /AV
CEPA (DSL/NDSL)	Yes	ENCS	N /AV
AICS	N /AV	KECI	N /AV
IECSC	N /AV	PICCS	N /AV

SECTION 16	OTHER INFORMATION
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N/D = Not Determined

N/A = Not Applicable

N/AV = Not Available

NFPA RATING Health (Blue): 1 Flammability (Red): 1 Reactivity (Yellow): 0

HMIS RATING Health (Blue): 1 Flammability (Red): 1 Reactivity (Yellow): 0

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS

Revision Changes Format changes and updated MSDS to reflect conditions at use (Sections 2,3,4,5,7, 9.10 and 13 were updated)

USER RESPONSIBILITY Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

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

Prepared By: Corporate EHS Department of Diversified Chemical Technologies, Inc. and Subsidiaries