



**SAFETY DATA SHEET**

**Section 1 - Identification**

Product Identifier DEFEND Anti-Microbial Hand Cleaner with Triclosan  
 Other means of identification 0410  
 Recommended use Hand Soap.  
 Recommended restrictions For commercial and industrial use only.  
**Manufacturer / Importer / Supplier / Distributor Information**  
 Company Name National Chemical Laboratories of PA, Inc.  
 Address 401 N. 10th Street - Philadelphia, PA 19123  
 Telephone 1 (215) 922-1200  
 Supplier Email info@nclonline.com  
 Contact CHEM-TEL  
 Emergency Phone 1 (800) 255-3924

**Section 2 - Hazard(s) Identification**

	Classification	Category
Physical Hazards	Not Classified	
Health Hazards	Not Classified	
OSHA defined hazards	Not Classified.	
<b>Label Elements</b>		
Hazard Symbol	None.	
Signal Word	None	
Hazard Statement	The mixture does not meet the criteria for classification.	
<b>Precautionary statement</b>		
Prevention	Observe good industrial hygiene practices.	
Response	Wash hands after handling.	
Storage	Store away from incompatible materials.	
Disposal	Dispose of waste and residues in accordance with local authority requirements.	
Hazard(s) not otherwise classified (HNOC)	None known.	

**Section 3 - Composition/Information on ingredients**

Mixture

Composition Comments Componenets not listed are either non-hazardous or are below reportable limits.

**Section 4 - First-aid Measures**

Inhalation Move to fresh air. Get medical attention if irritation persists.  
 Skin contact Wash off with soap and water. Get medical attention if irritation persists.  
 Eye contact Rinse with water. Get medical attention if irritation persists.  
 Ingestion Rinse mouth. Get medical attention if irritation persists.  
 Most Important symptoms /effects, acute and delayed Direct contact with eyes may cause temporary irritation.  
 Indication of immediate medical attention and special treatment Treat symptomatically.  
 General Information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Section 5 - Fire-fighting measures**

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).  
 Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.  
 Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.  
 Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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<b>Fire-fighting equipment /instructions</b>	Move containers from fire area if you can do it without risk.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>Specific Methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## Section 6 - Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures.</b>	Isolate area. Keep unnecessary personnel away. Use personal protection as recommended in Section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	SMALL SPILLAGE: Absorb spillage with suitable absorbent material. LARGE SPILLS: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. After removal flush contaminated area thoroughly with water.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## Section 7 - Handling and storage

<b>Precautions for safe handling</b>	Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## Section 8 - Exposure control/personal protection

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	
<b>Hand protection</b>	Gloves are recommended for prolonged use. Applicable for industrial settings only.
<b>Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## Section 9 - Physical and chemical properties

<b>Appearance</b>	Pearlescent Liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	White.
<b>Odor</b>	Almond.
<b>Odor threshold</b>	Not available.
<b>pH</b>	7.0
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	212 °F (100 °C)
<b>Flash point</b>	None to boiling.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Equal to water.
<b>Vapor density</b>	Equal to water.
<b>Relative density</b>	1.02 ± 0.01
<b>Relative density temperature</b>	75 °F (23.89 °C)
<b>Solubilities</b>	Completely soluble.
<b>Partition Coefficient n-octanol/water</b>	Not available.

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Auto-ignition temperature	Not Available.
Decomposition temperature	Not Available.
Viscosity	1400 cSt
Viscosity Temperature	75 °F (23.89 °C)

## Section 10 - Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous Decomposition Products	No hazardous decomposition products are known.

## Section 11 - Toxicological information

### Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics  
Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects.

Acute toxicity	Not available.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/ eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory sensitization	This product is not expected to cause respiratory sensitization.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not available.

## Section 12 - Ecological Information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Mobility in general	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## Section 13 - Disposal considerations

Disposal instructions	Dispose in accordance with applicable federal, state, and local regulations.
Local disposal regulations	Dispose of in accordance with local regulations.
Hazardous waste code	Waste codes should be assigned by the user based on the application for which the product was used.
Waste from residues / unused products	Dispose in accordance with all applicable regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## Section 14 - Transport information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.

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IMDG Not regulated as dangerous goods.  
 Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code This substance/mixture is not intended to be transported in bulk.

## Section 15 - Regulatory Information

**US federal regulations** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
 All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)** Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)** Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard Categories**

Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

**SARA 302 Extremely hazardous substance** Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)** Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List** Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)** Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations**

**US.Massachusetts RTK - Substance List** Not regulated.

**US.New Jersey Worker and Community Right-to-Know Act** Not listed.

**US.Pennsylvania RTK - Hazardous Substances** Not listed.

**US.Rhode Island RTK** Not regulated.

**US - California Proposition 65** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	Yes
Unites States Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

\*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## Section 16 - Other information, including date of preparation or last version

**Issue date** 1/26/2015

**Revision date** 1/26/2015

**Version #** 02

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