

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Distributor: Dickler Chemical Laboratories, Inc.

Address: 4201 Torresdale Avenue Philadelphia, Pa. 19124

Company Phone Number: (800) 426-1127

Medical Emergency: (800) 426-1127

Chemical Emergency: (215) 830-0722

Product Name: Purity Plus Disinfectant Cleaner

Issue Date: 6-21-07

Supersedes Date:

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

Component/CAS #	% by Wt.
HYDROCHLORIC ACID (CAS# 7647-01-0)	5.0-10.0
Alkyl dimethyl benzyl ammonium chloride (C12-18) CAS # (68391-01-5)	1.0-5.0
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (CAS # 85409-23-0)	1.0-5.0

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Appearance/Odor: OPAQUE BLUE LIQUID

Danger! Corrosive

May be corrosive to the skin and eyes. Harmful if absorbed through skin. May be harmful if inhaled. May be harmful if swallowed.

Potential Health Effects: See Section 11 for more information

Likely Routes of Exposure: Eye contact, skin contact, inhalation

Health Effects: Eyes: This product may be corrosive to eyes.

Skin: This product may be corrosive to the skin. This product may be harmful if it is absorbed through the skin. **Inhalation:** This product may be harmful by inhalation. High vapor or aerosol mist concentrations may be irritating to the nose, throat and upper respiratory tract. **Ingestion:** This product may be harmful if it is swallowed. Ingestion of this product may cause nausea, vomiting and diarrhea.

Potential Health Effects: See Section 11 for more information

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Potential Environmental Effects: See Section 12 for more information)

Section 4: FIRST AID MEASURES

Eyes: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

Skin: Immediately take off all contaminated clothing. For skin contact flush with large amounts of water. Get immediate medical attention. Wash contaminated clothing before reuse.

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion: If the material is swallowed, get immediate medical attention or advice. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting.

Notes to Physician

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

Section 5: FIRE FIGHTING MEASURES

Flash Point (> 93.9 °C), > 201 F PMCC

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog.

Fire Fighting Equipment / Instructions: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Action:

Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Wear appropriate personal protective equipment during cleanup. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Large Spills Dike ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters. Surfaces may become slippery after spillage. WASTE DISPOSAL METHOD: FOLLOW LOCAL, STATE, AND FEDERAL GUIDELINES.

Personal Precautions: Use personal protection recommended in Section 8.

Section 7: HANDLING AND STORAGE

Handling Procedures: Avoid contact with skin and eyes. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Storage Procedures: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F. OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. FOR SALE TO, USE AND STORAGE BY SERVICE PERSONNEL ONLY.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal Protective Equipment:

Eyes/Face: Wear chemical goggles and face shield.

Skin: Use of protective coveralls and long sleeves is recommended.

Respiratory: If vapors are present or irritation is experienced, NIOSH approved respiratory protection for acidic vapors should be worn.

General: Eye wash fountain and emergency showers are recommended.

Hydrochloric acid 7647-01-0

ACGIH - Occupational Exposure Limits - Ceilings 2 ppm Ceiling

Mexico - Occupational Exposure Limits - Ceilings 5 ppm Peak; 7 mg/m3 Peak

NIOSH - Health Standards - Exposure Limits C 5 ppm; C 7 mg/m3

NIOSH - Health Standards - Health Effects and Precautions

Eye, mucous membrane, and skin irritation

NIOSH - Pocket Guide - Ceiling Limits 5 ppm Ceiling; 7 mg/m3 Ceiling

NIOSH - Pocket Guide - IDLHs (Immediately Dangerous to Life or Health)

50 ppm IDLH

NIOSH - Pocket Guide - Target Organs skin, eyes, respiratory system

OSHA - Final PELs - Ceiling Limits 5 ppm Ceiling; 7 mg/m3 Ceiling

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (°F): 212

SPECIFIC GRAVITY: 1.033

VAPOR PRESSURE: NOT EST.

% VOLATILES BY WEIGHT: 90+

VAPOR DENSITY: NOT EST.

EVAPORATION RATE: NOT EST.

SOLUBILITY IN WATER: COMPLETE

pH: 0 - 0.5

APPEARANCE: CLEAR BLUE LIQUID

ODOR: MINT SCENTED

Section 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

INCOMPATIBILITY: WILL REACT WITH STRONG OXIDIZING AGENTS, METALS, ALKALIES, AND ORGANICS.

HAZARDOUS DECOMPOSITION PRODUCTS: this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

Section 11: TOXICOLOGY INFORMATION

ACUTE EFFECTS for **Hydrochloric Acid 7647-01-0**

Oral LD50: No data available
Dermal LDSO: No data available
Inhalation: LC50 3124 ppm/1H (rat); LC50 1108 ppm/1H (mouse)
Eye Irritation: No data available
Skin irritation: No data available
Sensitization: No data available

CHRONIC EFFECTS **Hydrochloric Acid 7647-01-0**

Carcinogenicity: Not classified as a Human Carcinogen
Mutagenicity: No data available
Reproductive Effect: No data available
Developmental Effects: No data available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to fish.
Persistence/ Degradability: Biodegradable.
Bioaccumulation/ Accumulation: No data available.
Mobility in Environment: No data available.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: FOLLOW LOCAL, STATE, AND FEDERAL GUIDELINES.
CONTAINER DISPOSAL - Do not reuse empty container.

Section 14: TRANSPORTATION INFORMATION

US DOT (ground)
Proper Shipping Description:

COMPOUNDS CLEANING LIQUIDS

Canadian TDG (ground): See US DOT
ICAO (air) See US DOT
IMDG (water) See US DOT

Section 15: REGULATORY INFORMATION

Inventories

This product is considered a pesticide, and is therefore excluded from the United States TSCA Regulations. Reportable Quantity (RQ) of this product is 62500 pounds based upon **Hydrochloric acid (7647-01-0)** which yielded the lowest resultant RQ according to the following formula: CERCLA ingredient RQ / % of that ingredient in the product.

Hydrochloric acid 7647-01-0

CAA (Clean Air Act) - 1990 Hazardous Air
Pollutants Present
CERCLA/SARA - Section 302 Extremely
Hazardous Substances TPQs 500 lb TPQ
CERCLA/SARA - Section 313 - Emission
Reporting 1.0 % de minimis concentration
(acid aerosols including mists,
vapors, gas, fog, and other airborne forms of any particle size)
CWA (Clean Water Act) - Hazardous Substances Present

Section 16: OTHER INFORMATION

NFPA 704: National Fire Protection Association

HMIS HAZARD CODE: HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1 OTHER: NONE

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for his own particular use.