

TRI-PHENE® GERMICIDAL CLEANER

LAST REVISION DATE: 02/27/01

MANUFACTURER: Pioneer Eclipse® Corp.

Sparta, NC 28675 Phone: 1-336-372-8080
FOR CHEMICAL EMERGENCY: Spill, Leak, Fire,
 Exposure or Accident **CALL CHEMTREC - Day**
or Night 1-800-424-9300 Toll Free in the
 Continental U.S. **483-7616** in DISTRICT OF
 COLUMBIA. For calls originating outside the
 U.S.: Call Collect **1-202-483-7616**
 Washington, DC.

SECTION I: GENERAL INFORMATION

PRODUCT NAME: TRI-PHENE® Germicidal Cleaner
PRODUCT #: 603

PRODUCT CLASS: Cleaner, Disinfectant, &
 Deodorant

CAS#: N/E

U.S. D.O.T. HAZARD CLASS: Flammable liquids,
 corrosive, n.o.s. Class 3, PG III, UN 2924

PRECAUTIONS: Flammable. Corrosive. Irritant. Do
 not get in eyes, on skin or clothing. Keep
 container sealed when not in use. Keep out of
 reach of children.

FLAMMABILITY: 2

REACTIVITY: 0

HEALTH: 1

NFPA HAZARD RATINGS

4-EXTREME 3-HIGH 2-MODERATE
 1-SLIGHT 0-INSIGNIFICANT



SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT: para-Tertiary-amyphenol

CAS#: 80-46-6

%: 10

OSHA PEL: N/E

ACGIH TLV: N/E

LD 50 SPECIES & ROUTE: N/L

INGREDIENT: ortho-Benzyl-para-chlorophenol

CAS#: 120-32-1

%: 6.5

OSHA PEL: N/E

ACGIH TLV: N/E

LD 50 SPECIES & ROUTE: N/L

INGREDIENT: ortho-Phenylphenol

CAS#: 90-43-7

%: 6.0

OSHA PEL: N/E

ACGIH TLV: N/E

LD 50 SPECIES & ROUTE: N/L

INGREDIENT: 2-Propanol

CAS#: 67-63-0

%: 3-6

OSHA PEL: 400ppm(TWA) 500ppm(STEL)

ACGIH TLV: 400ppm(TWA) 500ppm(STEL)

LD 50 SPECIES & ROUTE: N/L

* This chemical is subject to the reporting requirements
 of Section 313 of SARA Title III.

N/E = Not Established, N/L = Not Listed,

N/A = Not Applicable,

(C) = Identified as a Carcinogen by OSHA, IARC or NTP

SECTION III: PHYSICAL/CHEMICAL DATA

PHYSICAL STATE: Liquid

pH: 12.4 ± 0.5

BOILING POINT: 100°C/212°F

EVAPORATION RATE: Less than 1 (Water = 1)

FREEZING POINT: 0°C/32°F

VAPOR DENSITY: Less than 1 (Air = 1)

% VOLATILE BY WEIGHT: 46-48%

VAPOR PRESSURE (mm Hg): N/E

APPEARANCE: Dark amber liquid

WEIGHT PER GALLON: 8.9 lbs. (4 kg)

SOLUBILITY IN WATER: Miscible

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): 118°F (48°C),
 ASTM method D56

EXPLOSIVE LIMITS:

LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Water spray, CO₂, dry
 chemical, alcohol or universal type foam.

SPECIAL FIRE FIGHTING PROCEDURES: None

HAZARDOUS COMBUSTIBLE PRODUCTS: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V: REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): Acids,
 other detergents and chlorine.

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

REACTIVITY CONDITIONS: None

SECTION VI: HEALTH HAZARD DATA

EYES: Exposure to product in concentrate may
 cause severe irritation. For eye contact, flush
 with a large amount of water for at least 15
 minutes lifting upper and lower lids
 occasionally. See a physician immediately.

SKIN: Exposure to product in concentrate may
 cause severe irritation. Acute Dermal LD50 in
 white rabbits is >2g/kg body weight. For skin
 contact, wash affected areas thoroughly with
 soap and water.

INHALATION: Prolonged exposure to concentrate
 may cause minor respiratory discomfort. LC50
 in rats > gravimetric concentration of 5.6 mg/l.
 For overexposure, move subject to fresh air.

INGESTION: Material can be harmful if ingested in
 quantity. Acute oral LD50 in rats 3.53 mg/kg
 of body weight. If ingested, drink several
 glasses of water. Avoid alcohol. Seek medical
 attention immediately. Probable mucosal
 damage may contraindicate the use of gastric
 lavage. Measures against circulatory shock,
 respiratory depression and convulsion may be
 needed.

CHRONIC EFFECTS AND MEDICAL CONDITIONS

AGGRAVATED BY OVEREXPOSURE: N/L

CARCINOGEN: Non-carcinogenic

REPRODUCTIVE EFFECTS: N/E

TERATOGENICITY: N/E

MUTAGENICITY: N/E

THRESHOLD LIMIT VALUE: See Section II.

SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES

SMALL SPILLS: Absorb spill with inert material
 (e.g. sand, earth) and dispose of as waste
 material in accordance with local, state and
 federal regulations.

LARGE SPILLS: Keep spectators away. Floors
 may be slippery; use care to avoid falling. Dike
 and contain spill with inert material (e.g. sand,
 earth). Transfer liquid to containers for recovery
 or disposal and solid diking material to
 separate containers for disposal. Keep spills
 and cleaning runoff out of sewers and open
 bodies of water.

WASTE DISPOSAL: Landfill or incinerate the
 contaminated solids and diking material
 according to local, state and federal
 regulations. Non-salvageable liquid should be
 drummed and turned over to a licensed
 hazardous waste disposal facility.

PLASTIC CONTAINER DISPOSAL: Triple rinse (or
 equivalent) then offer for recycling or
 reconditioning.

SECTION VIII: SPECIAL PROTECTION

EYE PROTECTION: Chemical splash goggles
 (ANSI Z87.1-1989 or approved equivalent).

RESPIRATORY PROTECTION: None required when
 permissible airborne concentrations are not
 exceeded. In emergency, use approved positive
 pressure self-contained breathing device.

VENTILATION: Mechanical local exhaust
 ventilation at point of contamination release.

OTHER PROTECTIVE EQUIPMENT: Rubber boots
 and chemical resistant gloves recommended.

SECTION IX: SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Storage temperature
 (MAX. 60°C/140°F) (MIN. 1°C/34°F). Do not
 cut or puncture container. Do not contaminate
 water, food or feed by storage or disposal.

OTHER PRECAUTIONS: Keep from freezing.

SECTION X: ADDITIONAL INFORMATION

Neither this data sheet nor any statement
 contained herein grants or extends any license,
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 any direct, special or consequential damages
 arising out of or in connection with the accuracy,
 completeness, adequacy or furnishing of such
 information.

This MSDS has been provided to you in accordance
 with the OSHA HAZARD COMMUNICATION STANDARD
 (29CFR1910.1200).

***IMPORTANT SAFETY INFORMATION
 DO NOT DISCARD***

PLEASE ROUTE TO COMPANY SAFETY OFFICER

Pioneer Eclipse®