



MATERIAL SAFETY DATA SHEET

PHENEX NS Cleaner, Disinfectant,
DeodorantDate Prepared: 09/10/1997
Date Revised: 01/19/2000**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name/Use: PHENEX NS Cleaner, Disinfectant, Deodorant

Product Synonyms: Command Center 21 PHENEX NS Cleaner, Disinfectant, Deodorant Concentrate

MANUFACTURERThe Butcher Company
67 Forest Street
Marlborough, MA 01752-3012Butcher Telephone Number: 800-225-9475
Emergency Telephone (24 hours): 800-228-5635**2. COMPOSITION / INFORMATION ON INGREDIENTS**

INGREDIENT(S)	CAS NO.	% BY WEIGHT
para-tertiary-Amylphenol	80-46-6	10 - 25
ortho-Benzyl-para-chlorophenol	120-32-1	5 - 7
ortho-Phenylphenol	90-43-7	5 - 7
Isopropyl alcohol	67-63-0	5 - 7

See Section 8 for Exposure Limits *NA - Not Applicable***3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

Clear, Amber to Purple Liquid. Lemon Odor. Combustible. Causes Eye Burns and Skin Irritation. Harmful if Swallowed.

POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)PRIMARY ROUTE(s) OF EXPOSURE: ☒ Eye ☒ Skin Contact ☐ Skin Absorption
☒ Inhalation ☒ Ingestion**EFFECTS OF ACUTE EXPOSURE****EYES:**

Causes eye burns. Symptoms may include pain, tearing, redness, and eye injury.

SKIN:

Causes severe skin irritation. Symptoms may include pain, redness, rash, and swelling.

INHALATION:

High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing and a burning sensation in the nose and throat. High concentrations of vapor or mist may also cause central nervous system effects including headache, dizziness and nausea.

**PHENEX NS Cleaner, Disinfectant,
Deodorant**

Date Prepared: 09/01/97
Date Revised: 01/19/2000

INGESTION:

Harmful if swallowed. May cause mouth, throat and stomach burns. Symptoms may include nausea, vomiting, diarrhea, and severe stomach pain. May also cause central nervous system effects including headache, dizziness and weakness.

EFFECTS OF CHRONIC EXPOSURE:

Prolonged or repeated contact may cause skin irritation.

MEDICAL CONDITIONS AGGRAVATED:

May aggravate pre-existing eye, skin and respiratory conditions.

4. FIRST AID MEASURES

EYES:

Immediately flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get immediate medical attention.

SKIN:

Immediately flush with plenty of water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops or persists. Thoroughly wash (or discard) clothing and shoes before reuse.

INHALATION:

Remove to fresh air. If not breathing, give respiration; if breathing is difficult, give oxygen (by trained personnel only). Get medical attention if symptoms persist.

INGESTION:

Do not induce vomiting. Drink large quantities of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN:

Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: 118°F 48°C TCC

FLAMMABLE LIMITS

UPPER EXPLOSIVE LIMIT: 12.7% (isopropyl alcohol)

LOWER EXPLOSIVE LIMIT: 2% (isopropyl alcohol)

AUTOIGNITION TEMPERATURE: Not applicable.

EXTINGUISHING MEDIA:

Use water fog, dry chemical, CO₂, or foam.

MSDS No: 4213

Page: 3 of 7

**PHENEX NS Cleaner, Disinfectant,
Deodorant**

Date Prepared: 09/01/97
Date Revised: 01/19/2000

HAZARDOUS COMBUSTION PRODUCTS:

Normal products of combustion (carbon monoxide and carbon dioxide) and hydrogen chloride.

FIRE AND EXPLOSION HAZARDS:

Class II combustible liquid. This product is combustible and may be ignited by heat, sparks, flame, and other ignition sources. Vapors can travel to a source of ignition and flash back.

FIRE FIGHTING INSTRUCTIONS:

Evacuate area. Cool containers exposed to fire with water. MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

6. ACCIDENTAL RELEASE MEASURES

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Remove ignition sources and ventilate spill area. Contain and isolate spill. Keep non-essential personnel from entering spill area. Use mop, absorbent and non-sparking tools to collect material for proper disposal. Rinse area with water.

7. HANDLING AND STORAGE

HANDLING:

Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing vapor or mist. Use spark-proof tools. Wash thoroughly after handling. Remove contaminated clothing. Wash clothing and equipment before reuse. Empty containers retain residue and may be hazardous (See Section 14, Transport Information).

STORAGE:

Keep container closed when not in use. Store away from incompatible materials. (See Section 10, Stability and Reactivity). Store away from direct sunlight. Keep away from heat, sparks and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE:

Where eye contact is possible, wear chemical splash goggles (ANSI Z87.1-approved).

SKIN:

Where skin contact is possible, chemical-resistant clothing (e.g., gloves) should be worn.

RESPIRATORY:

No respiratory protection is required if ventilation is adequate.

ENGINEERING CONTROLS:

General room ventilation is expected to be adequate. If user operations generate vapor or mist, ventilation should be used to keep airborne concentrations below exposure limits.

MSDS No: 4213

Page: 3 of 7

**PHENEX NS Cleaner; Disinfectant,
Deodorant**

Date Prepared: 09/10/97
Date Revised: 01/19/2000

EXPOSURE LIMITS:

INGREDIENT(S)	OSHA PEL/STEL	ACGIH TLV/STEL
para-tertiary-Amylphenol	NE	NE
ortho-Benzyl-para-chlorophenol	NE	NE
ortho-Phenylphenol	NE	NE
Isopropyl alcohol	400 ppm (980 mg/m3)/ 500 ppm (1225 mg/m3)	400 ppm (983 mg/m3)/ 500 ppm (1230 mg/m3)

NE - Not Established

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Lemon
APPEARANCE: Clear, Amber to Purple
pH: 12.4
PERCENT VOLATILE BY WEIGHT: 55
VAPOR PRESSURE: Not Determined
VAPOR DENSITY: Not Determined
BOILING POINT: Not Determined
FREEZING/MELTING POINT: Not Determined
SOLUBILITY IN WATER: Complete
EVAPORATION RATE: 0.9
SPECIFIC GRAVITY: 1.07
VISCOSITY: Water Thin
OCTANOL/WATER PARTITION COEFFICIENT: Not Determined
ODOR THRESHOLD: Not Determined

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID):
Stable.

POLYMERIZATION:
Will not occur.

HAZARDOUS DECOMPOSITION:
None.

INCOMPATIBLE MATERIALS:
Strong acids (e.g., hydrochloric), oxidizers (e.g., bleach) and chlorine.

11. TOXICOLOGICAL INFORMATION

ACUTE DATA:

This product causes eye burns and severe skin irritation. Based on acute toxicity testing, this product is harmful if swallowed. It is not considered to be toxic by skin absorption. The following data are available for this product and its ingredients:

**PHENEX NS Cleaner; Disinfectant,
Deodorant**

Date Prepared: 09/10/97
Date Revised: 01/19/2000

PRODUCT/INGREDIENT

	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
PHENEX NS Cleaner; Disinfectant, Deodorant	3526 mg/kg	>2000 mg/kg	>5.6 mg/L (4-hr)
para-tertiary-Amylphenol	1830 mg/kg	2000 mg/kg	Not Available
ortho-Benzyl-para-chlorophenol	1700 mg/kg	Not Available	Not Available
ortho-Phenylphenol	2000 mg/kg	Not Available	Not Available
Isopropyl alcohol	4710 mg/kg	12870 mg/kg	17000 ppm (4-hr)

SENSITIZATION DATA:

No data available.

CHRONIC DATA:

Prolonged overexposure to isopropyl alcohol by ingestion and inhalation has caused central nervous system effects in humans and laboratory animals; overexposure by ingestion has also caused liver effects in animals. Prolonged overexposure to ortho-benzyl-para-chlorophenol by ingestion has caused kidney effects in laboratory animals.

REPRODUCTIVE/TERATOGENIC DATA:

Ingestion of isopropyl alcohol has caused slight fetotoxic and reproductive effects in laboratory animals.

CARCINOGENIC/MUTAGENIC DATA:

Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

SYNERGISTIC MATERIALS:

No data available.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA hazardous waste (Ignitable-D001; Corrosive-D002) in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

14. TRANSPORT INFORMATION

DOT/IDG HAZARDOUS MATERIAL DESCRIPTION: Flammable Liquid, Corrosive, N.O.S.
DOT/IDG TECHNICAL NAME: 2-Propanol, sodium hydroxide
DOT/IDG HAZARD CLASS: 3
UN ID No./PLN. No.: 2924
DOT/IDG PACKING GROUP: III
NAERG: 132

15. REGULATORY INFORMATION

Not meant to be all-inclusive—selected regulations represented.

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Under 40 CFR 370.2, this product meets the following hazard categories:
Immediate, Delayed, Fire.

313 REPORTABLE INGREDIENTS: ortho-Benzyl-para-chlorophenol (under the chemical category Chlorophenols) and ortho-Phenylphenol are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None of the ingredients in this product are reportable under CERCLA.

EPA

EPA REG. NO.: 11725-8-7176

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: This product complies with all TSCA inventory requirements.

MASSACHUSETTS, NEW JERSEY, PENNSYLVANIA RIGHT-TO-KNOW:

INGREDIENT(S)	CAS NO.	STATE LISTING
Water	7732-18-5	Not Listed
para-tertiary-Amylphenol	80-46-6	MA, PA
ortho-Benzyl-para-chlorophenol	120-332-1	Not Listed
ortho-Phenylphenol	90-43-7	MA, NJ, PA
Isopropyl alcohol	67-63-0	MA, NJ, PA

NA - Not Applicable

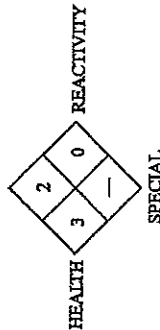
16. OTHER INFORMATION

HMS RATING

HEALTH	-	3
FLAMMABILITY		2
REACTIVITY		0
PERSONAL PROTECTION		-

NFPA RATING

FIRE



MSDS STATUS

Revision #: 1

This MSDS replaces the November 20, 1997 MSDS. Any changes in information are as follows:

APPROVED BY: EH&S/Regulatory Affairs

APPROVAL DATE: 01/19/2000

The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.