



Phenex N.S. Phenolic Disinfectant Cleaner

| HMIS | | NFPA | Personal protective equipment |
|-------------|---|------|-------------------------------|
| Health | 3 | 3 | |
| Fire Hazard | 1 | 1 | |
| Reactivity | 0 | 0 | |

Version Number: 1

Preparation date: 2006-11-08

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Phenex N.S. Phenolic Disinfectant Cleaner

MSDS #: MS0400085

Product code: 3151429

Recommended use: Disinfectant Cleaner. This product is intended to be diluted prior to use.

Manufacturer, importer, supplier:
 US Headquarters
 The Butcher Company
 8310 16th St.
 Sturtevant, Wisconsin 53177-0902
 Phone: 1-800-225-9475
 MSDS Internet Address:
 www.thebutchercompany.com

Emergency telephone number: 1-800-228-5635

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. HARMFUL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. AVOID BREATHING SPRAY MIST.

Principle routes of exposure: Eye contact. Skin contact. Inhalation.

Eye contact: Corrosive. Causes irreversible eye damage.

Skin contact: Corrosive. Causes permanent damage .

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.

Ingestion: Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

| Ingredient(s) | CAS # | Weight % | LD50 Oral - Rat | LD50 Dermal - Rabbit | LC50 Inhalation - Rat |
|---------------------------------|------------|------------|-----------------|----------------------|-----------------------|
| Sodium sulfate | 7757-82-6 | 0.1 - 1.5% | >10000 mg/kg | Not available | Not available |
| Sodium hydroxide | 1310-73-2 | 1 - 5% | =140 mg/kg | =1350 mg/kg | Not available |
| Isopropyl alcohol | 67-63-0 | 1 - 5% | =4396 mg/kg | =12800 mg/kg | =72.6 mg/L (4 h) |
| Trisodium salt of NTA | 5064-31-3 | 0.1 - 1.5% | =920 mg/kg | Not available | >5 mg/L (4 h) |
| Sodium dodecylbenzene sulfonate | 25155-30-0 | 1 - 5% | =438 mg/kg | Not available | Not available |
| Ortho-phenylphenol | 90-43-7 | 10 - 20% | =1049 mg/kg | Not available | >0.949 mg/L (1 h) |

4. FIRST AID MEASURES

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Get medical attention immediately.

Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes . Get medical attention immediately.

Inhalation: If breathing is affected, remove to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Get medical attention immediately.

Ingestion: Call medical attendant, doctor, or poison control center immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

Notes to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

| | |
|--------------------------------------|--|
| Suitable extinguishing media: | Dry chemical, water spray, foam, carbon dioxide. |
| Specific hazards: | Although this product has a flash point below 200 Deg. F, it is an aqueous solution containing an alcohol and does not sustain combustion. |
| Unusual hazards: | Corrosive material (See sections 8 and 10). |
| Specific methods: | No special methods required |

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

| | |
|--|--|
| Personal precautions: | Put on appropriate personal protective equipment (see Section 8.). |
| Environmental precautions and clean-up methods: | Use appropriate containment to avoid environmental contamination. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal. Use a water rinse for final clean-up. |

7. HANDLING AND STORAGE

| | |
|------------------|---|
| Handling: | Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. COMBUSTIBLE LIQUID AND VAPOR . Keep away from open flames, hot surfaces and sources of ignition. Use only in well-ventilated areas. FOR COMMERCIAL AND INDUSTRIAL USE ONLY. |
| Storage: | Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:
Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

| | |
|----------------------------------|--|
| Eye protection: | Chemical splash goggles. |
| Hand protection: | Chemical resistant gloves |
| Skin and body protection: | Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear. |
| Respiratory protection: | In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. |
| Hygiene measures: | Handle in accordance with good industrial hygiene and safety practice |

| Ingredient(s) | CAS # | ACGIH | OSHA | Mexico |
|-------------------|-----------|---------------------------------|--|---|
| Sodium hydroxide | 1310-73-2 | 2 mg/m ³ (Ceiling) | 2 mg/m ³ (TWA) | 2 mg/m ³ (Ceiling) |
| Isopropyl alcohol | 67-63-0 | 400 ppm (STEL) 200 ppm (TWA) | 980 mg/m ³ (TWA) 400 ppm (TWA) | 500 ppm (STEL) 1225 mg/m ³ (STEL) 400 ppm (TWA) 980 mg/m ³ (TWA) |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------|--------------------------|---|--------------------------|
| Physical State: | Liquid | Bulk density: | No information available |
| pH: | 12.7 | Dilution pH: | 9.9 |
| Appearance: | Aqueous solution | Vapor density: | No information available |
| Color: | Purple | Evaporation Rate | No information available |
| Odor: | Lemon | Boiling point/range: | >212°F >100°C |
| Specific gravity: | 1.11 | Melting point/range: | Not determined |
| Density: | 9.24 lbs/gal | Decomposition temperature: | Not determined |
| VOC: | 3.72% * | Autoignition temperature: | No information available |
| Flash point: | 127°F 53°C | Partition coefficient (n-octanol/water): | No information available |
| Solubility: | Soluble | Solubility in other solvents: | No information available |
| Viscosity: | No information available | | |

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

| | |
|-------------------|-----------------------|
| Stability: | The product is stable |
|-------------------|-----------------------|

10. STABILITY AND REACTIVITY

Polymerization: Hazardous polymerization does not occur
Hazardous decomposition products: None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Corrosive. Oral LD50 estimated to be between 500 - 5000 mg/kg. Dermal LD50 estimated to be > 2000 mg/kg.
Component Information: See Section 3
Chronic toxicity: None known
Specific effects
Carcinogenic effects: None known
Mutagenic effects: None known
Reproductive toxicity: None known
Target organ effects: None known

HAZARDOUS COMPONENTS

| Ingredient(s) | CAS # | NTP | IARC | OSHA |
|-----------------------|-----------|-----|------|------|
| Isopropyl alcohol | 67-63-0 | | 3 | X |
| Trisodium salt of NTA | 5064-31-3 | | 2B | X |
| Ortho-phenylphenol | 90-43-7 | | 3 | |

12. ECOLOGICAL INFORMATION

Environmental Information: No data available

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal. Do not store near heat or open flame.

Pesticide Storage:

Do not reuse empty container. Keep from freezing.

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by State and local authorities burn. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA).

U.S. Regulations

EPA Reg. No. : 70627-6-7176

California Proposition 65: This product contains materials listed under California's Proposition 65.

CERCLA/ SARA

| Ingredient(s) | CAS # | Weight % | CERCLA/SARA RQ (lbs) | Section 302 TPQ (lbs) | Section 313 |
|---------------------------------|------------|----------|----------------------|-----------------------|-------------|
| Sodium hydroxide | 1310-73-2 | 1 - 5% | 1000 | | |
| Isopropyl alcohol | 67-63-0 | 1 - 5% | | | X |
| Sodium dodecylbenzene sulfonate | 25155-30-0 | 1 - 5% | 1000 | | |
| Ortho-phenylphenol | 90-43-7 | 10 - 20% | | | X |

SARA 311/312 Hazard Categories

Immediate: X
Delayed: -
Fire: X
Reactivity: -
Sudden Release of Pressure: -

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.