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| WEXFORD LABS, INC. 325 LEFFINGWELL AVENUE KIRKWOOD, MO 63122 | | Phone: (314) 966-4134 Toll-Free: (800) 506-1146 Fax: (314) 966-4135 | | MSDS Code Number: WP-10 | | | | | | | |
| REVISION DATE: 2/18/2009 PRODUCT NAME: WEXFORD PRO-Q 256 (WP-10) | | <table border="1"> <tr> <td>HEALTH</td> <td>3</td> </tr> <tr> <td>FLAMMABILITY</td> <td>1</td> </tr> <tr> <td>REACTIVITY</td> <td>0</td> </tr> </table> | | HEALTH | 3 | FLAMMABILITY | 1 | REACTIVITY | 0 |  Safety Glasses  Gloves | |
| HEALTH | 3 | | | | | | | | | | |
| FLAMMABILITY | 1 | | | | | | | | | | |
| REACTIVITY | 0 | | | | | | | | | | |
| 24 HOUR EMERGENCY RESPONSE NUMBER: CHEMTREC (800) 424-9300 (Formulation HWS-256) | | | | | | | | | | | |
| MATERIAL: Wexford Pro-Q 256 DATE ISSUED: 4/9/2007 DOT HAZARD CLASSIFICATION: Rev. 8, PG III DOT SHIPPING NAME: Disinfectants, Liquid, Corrosive, N.O.S. | | | DOT LABEL: Corrosive FORMULA: Mixture CHEMICAL NAME: Mixture CAS NO. Mixture | | | | | | | | |
| SECTION I: INGREDIENTS | | | | | | | | | | | |
| MATERIAL | | % BY WEIGHT | CAS # | TWA/TLV | | | | | | | |
| N,N-Didecyl-N, N-dimethylammonium chloride | | 9.70 | 7173-51-5 | None established | | | | | | | |
| N-Alkyl(C12-16)-N, N-dimethyl-N-benzylammonium chloride | | 6.47 | 8001-54-5 | None established | | | | | | | |
| N,N-Dimethyl-1-octylamine-N-oxide | | 3.2 | 2605-78-9 | None established | | | | | | | |
| Ethylenediaminetetraacetic acid, trisodium salt | | 3.7 | 150-38-9 | None established | | | | | | | |
| Ethanol | | 3.1 | 64-17-5 | 1000 ppm (OSHA-PEL) 1000 ppm (ACGIH-TWA) | | | | | | | |
| Water | | 74.8 | 7732-18-5 | None established | | | | | | | |
| SECTION II: PHYSICAL AND CHEMICAL PROPERTIES | | | | | | | | | | | |
| APPEARANCE Clear Liquid (color depends upon optional dye added) VISCOSITY < 100 cps @ 25°C BOILING POINT Not known VAPOR DENSITY (Air=1) Not known PERCENT VOLATILE (by weight) 94.2 EVAPORATION RATE (Butyl Acetate=1) Not known | | | pH 7.2-8.2 ODOR Varies with fragrance added (if any) MELTING OR FREEZING POINT Not known VAPOR PRESSURE (mm Hg) Not known SOLUBILITY IN WATER Soluble SPECIFIC GRAVITY (WATER = 1) 1.0 | | | | | | | | |
| SECTION III: FIRE AND EXPLOSION INFORMATION | | | | | | | | | | | |
| FLASH POINT >200°F EXTINGUISHING MEDIA: FOAM, CO ₂ , DRY CHEMICAL, WATER | | AUTO IGNITION TEMPERATURE Not known LOWER EXPLOSION LIMIT (%) Not applicable UPPER EXPLOSION LIMIT (%) Not applicable | | | | | | | | | |
| SPECIAL FIRE FIGHTING PROCEDURES: Must wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray. | | | | | | | | | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: Products of combustion are toxic. | | | | | | | | | | | |

KEEP OUT OF REACH OF CHILDREN

SECTION IV: HEALTH EFFECTS INFORMATION

**PRIMARY ROUTES OF ENTRY - SKIN CONTACT X
INHALATION X**

**EYE CONTACT X
INGESTION**

EFFECTS OF OVEREXPOSURE

Based on information available for similar products, it is anticipated that direct contact will produce severe eye and skin irritation and/or burns, and possible irreversible damage. Solvent vapors or mists of product can produce irritation of the mucous membranes.

Ingestion can produce immediate burning pain in the mouth, throat and abdomen; severe swelling of the larynx; skeletal muscle paralysis affecting the ability to breathe; circulatory shock; and/or convulsions.

Exposure to ethyl alcohol concentrations over 1,000 ppm may cause headache, irritation of the eyes nose and throat, and , if long continued, drowsiness and lassitude, loss of appetite and inability to concentrate.

OVEREXPOSURE MAY AGGRAVATE EXISTING CONDITIONS:

No effects indicated.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get immediate medical attention. If physician not available, flush for additional 15 minutes and then transport victim to medical care.

Skin: Wash with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Wash clothing and decontaminate shoes before reuse.

Ingestion: If swallowed, immediately give 3-4 glasses of milk (if unavailable, give water). DO NOT induce vomiting. If vomiting occurs, give fluids again. Get immediate medical attention. Have physician determine if patient's condition allows for induction of vomiting or evacuation of the stomach. Do not give anything by mouth to a convulsing or unconscious person. **Inhalation:** Remove from area to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.

CHEMICALS LISTED AS CARCINOGEN BY: (YES OR NO)

NATIONAL TOXICOLOGY PROGRAM - No

I.A.R.C. MONOGRAPHS - No

OSHA - No

NOTE TO PHYSICIAN:

Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, as well as oxygen and measures to support breathing manually or mechanically may be needed.

SECTION V: REACTIVITY INFORMATION

STABILITY: STABLE X

CONDITIONS TO AVOID None known

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines and other organic materials and oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing or reducing agents.

SECTION VI: SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF MATERIAL SPILL OR RELEASE

DANGER! Corrosive liquid. Wear appropriate protective gear and respiratory protection where mist or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred).

Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

WASTE DISPOSAL METHODS

Dispose of in compliance with all Federal, state and local laws and regulations. Incineration is the preferred method.

CONTAINER DISPOSAL

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

SECTION VII: PERSONAL PROTECTION INFORMATION

ENGINEERING CONTROLS

In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

RESPIRATORY PROTECTION

In processes where mists or vapors may be generated, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.

PROTECTIVE GLOVES

Rubber or neoprene, when needed, to prevent skin contact.

EYE PROTECTION

Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields where there is no potential for eye contact.

OTHER PROTECTIVE EQUIPMENT

Eye wash; safety shower; protective clothing (long sleeves, coveralls or other, as appropriate), when needed, to prevent skin contact.

SECTION VIII: STORAGE AND HANDLING

Store at temperatures below 140°F. Keep containers closed when not in use. Do not contaminate drinking water, food or feed by storage or disposal.

KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes and skin. Do not take internally. Dispense product into water not water into product.

SECTION IX: TOXICOLOGY INFORMATION

No toxicity information available for this product. The toxicity information provided below is for closely related products:

ACUTE

For Lonza Formulation S-18 (an alkaline formulation containing 10.8% active quat):

- oral LD50 (rat): 1650 mg/kg
- dermal LD50 (rabbit): 1870 mg/kg
- eye irritation (rabbit): severe irritant
- skin irritation (rabbit): severe irritant
- skin corrosively (DOT method): corrosive

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