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|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------|-----------------------|
| <b>I</b><br>Chemical Product<br>and Company<br>Identification | Product Name <b>EPOCH</b>                                                                                                                         |                                                                                                                                  | Emergency <b>(800)831-9889</b>        |                                            |                       |
|                                                               | Product Code <b>09291040</b> UPC-A 774205552427    SCC                                                                                            |                                                                                                                                  | Medical(Collect) <b>(303)592-1024</b> |                                            |                       |
|                                                               | Manufacturer <b>JOHNSONDIVERSEY INC.<br/>3630 E. KEMPER RD<br/>CINCINNATI, OH 45241-2046</b>                                                      |                                                                                                                                  | Chemtree <b>(800)424-9300</b>         |                                            |                       |
|                                                               |                                                                                                                                                   |                                                                                                                                  | Date <b>03/10/1999</b>                |                                            |                       |
| Chemical Family <b>ALKALINE LIQUID MACHINE DETERGENT</b>      |                                                                                                                                                   |                                                                                                                                  |                                       |                                            |                       |
| <b>II</b><br>Composition/<br>Information<br>on Ingredients    | Chemical Name of Hazardous Ingredient<br><b>POTASSIUM HYDROXIDE (1310-58-3)</b>                                                                   |                                                                                                                                  | %<br><b>20</b>                        | Exposure Limits<br><b>TLV C 2; PEL C 2</b> | Units<br><b>MG/M3</b> |
|                                                               |                                                                                                                                                   |                                                                                                                                  |                                       |                                            |                       |
| <b>III</b><br>Hazards<br>Identification                       | Signs<br>and<br>Symptoms<br>of<br>Exposure                                                                                                        | <b>ACUTE</b><br><b>CORROSIVE TO SKIN AND EYES</b><br><b>MISTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT</b>              |                                       |                                            |                       |
|                                                               |                                                                                                                                                   | <b>CHRONIC</b><br><b>SAME AS ACUTE</b>                                                                                           |                                       |                                            |                       |
|                                                               | HMIS:    Health <b>3</b> Flammability <b>0</b> Reactivity <b>0</b> Personal Protection <b>D</b>                                                   |                                                                                                                                  |                                       |                                            |                       |
|                                                               | Conditions Aggravated <b>SENSITIVE SKIN, EYES</b>                                                                                                 |                                                                                                                                  |                                       |                                            |                       |
|                                                               | Carcinogen Info <b>NONE</b> NTP    IARC    OSHA                                                                                                   |                                                                                                                                  |                                       |                                            |                       |
|                                                               | Target Organs or System                                                                                                                           |                                                                                                                                  |                                       |                                            |                       |
|                                                               | Routes of Exposure:    Inhalation <input checked="" type="checkbox"/> Skin <input type="checkbox"/> Ingestion <input checked="" type="checkbox"/> |                                                                                                                                  |                                       |                                            |                       |
| <b>IV</b><br>First Aid Measures                               | Inhalation                                                                                                                                        | <b>IF INHALED, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.</b>                                                                   |                                       |                                            |                       |
|                                                               | Eyes                                                                                                                                              | <b>FLUSH THOROUGHLY WITH FRESH WATER, FOR AT LEAST 15 MINUTES.<br/>GET MEDICAL ATTENTION.</b>                                    |                                       |                                            |                       |
|                                                               | Skin                                                                                                                                              | <b>FLUSH WITH FRESH WATER FOR 15 MINUTES, WASH WITH SOAP AND WATER<br/>REMOVE CONTAMINATED CLOTHES AND SHOES</b>                 |                                       |                                            |                       |
|                                                               | Ingestion                                                                                                                                         | <b>GIVE WATER, DO NOT INDUCE VOMITING. GET MEDICAL<br/>ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN<br/>UNCONSCIOUS PERSON.</b> |                                       |                                            |                       |
| <b>V</b><br>Fire Fighting<br>Measures                         | Fire Control<br>Measures/<br>Equipment                                                                                                            | <b>WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND SCBA.</b>                                                               |                                       |                                            |                       |
|                                                               | Flammable Property Info                                                                                                                           |                                                                                                                                  |                                       |                                            |                       |
|                                                               | Explosion Info                                                                                                                                    | <b>NONE</b>                                                                                                                      |                                       |                                            |                       |
|                                                               | Extinguishing Media                                                                                                                               | <b>CO2, FOAM, DRY CHEMICALS</b>                                                                                                  |                                       |                                            |                       |
|                                                               | Gases                                                                                                                                             |                                                                                                                                  |                                       |                                            |                       |

|                                                   |                                                                                                                                                                                                                                                                                                                    |                                |                                                                                  |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------|
| VI<br>Accidental Measures                         | Spill and Leak Clean UP Procedures<br><b>FLUSH SMALL AMOUNTS TO DRAIN AFTER NEUTRALIZATION WITH DILUTE ACIDS. COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER. CERCLA RQ PRODUCT - POTASSIUM HYDROXIDE 5,000 POUNDS OR 555 GAL.</b>                                                                                  |                                |                                                                                  |
|                                                   | Environmental Precautions                                                                                                                                                                                                                                                                                          |                                |                                                                                  |
| VII<br>Handling and Storage                       | Ventilation Required? <b>YES</b> Instructions <b>NO</b>                                                                                                                                                                                                                                                            |                                |                                                                                  |
|                                                   | Safe Storage, Handling and Use Instructions<br><b>DO NOT PRESSURE CONTAINER TO EMPTY. KEEP FROM FREEZING. IF FROZEN, THAW AND MIX TO MAKE USABLE. KEEP AWAY FROM ACIDS.</b>                                                                                                                                        |                                |                                                                                  |
|                                                   | Incompatible Materials                                                                                                                                                                                                                                                                                             |                                |                                                                                  |
| VIII<br>Exposure Controls/<br>Personal Protection | Protective Gloves <b>ALKALI RESISTANT WHEN HANDLING</b>                                                                                                                                                                                                                                                            |                                |                                                                                  |
|                                                   | Eye Protection <b>AS REQUIRED BY OSHA</b>                                                                                                                                                                                                                                                                          |                                |                                                                                  |
|                                                   | Respiratory Protection <b>NONE</b>                                                                                                                                                                                                                                                                                 |                                |                                                                                  |
|                                                   | Other Protective Clothing Equipment <b>CLOTHING AND FOOTWEAR TO PREVENT SKIN CONTACT.</b>                                                                                                                                                                                                                          |                                |                                                                                  |
| IX<br>Physical and Chemical Properties            | Characteristics o of Hazardous Chemical                                                                                                                                                                                                                                                                            |                                |                                                                                  |
|                                                   | Vapor Pressure <b>18.4</b>                                                                                                                                                                                                                                                                                         | MmHg@ <b>20</b> °C             | Vapor Density(Air=1) <b>N/A</b>   pH <b>12.7</b>   Water Solubility <b>100</b> % |
|                                                   | Appearance & Odor <b>OPAQUE WHITE LIQUID, MILD ODOR</b>                                                                                                                                                                                                                                                            |                                |                                                                                  |
|                                                   | Boiling Point <b>218</b> °F                                                                                                                                                                                                                                                                                        | Melting Point °F               | Flammability Limits in Air By Volume: Upper <b>NONE</b> Lower <b>NONE</b>        |
|                                                   | Flash Point <b>NONE</b> °F                                                                                                                                                                                                                                                                                         | Auto Ignition <b>N/A</b> °F    | Oxidizing Properties                                                             |
|                                                   | Specific Gravity <b>1.34</b>                                                                                                                                                                                                                                                                                       | Volatile by Volume <b>75</b> % |                                                                                  |
|                                                   | Evaporation Rate(n-Butyl Acetate=1) <b>&lt;1</b>                                                                                                                                                                                                                                                                   |                                |                                                                                  |
| X<br>Stability and Reactivity                     | Peroxide, Pyrophoric, Unstable or Water Reactive <b>NONE</b>                                                                                                                                                                                                                                                       |                                |                                                                                  |
|                                                   | Reactivity and Hazardous Polymerization <b>NONE</b>                                                                                                                                                                                                                                                                |                                |                                                                                  |
|                                                   | Possible Hazardous Reactions                                                                                                                                                                                                                                                                                       |                                |                                                                                  |
|                                                   | Conditions to Avoid                                                                                                                                                                                                                                                                                                |                                |                                                                                  |
|                                                   | Materials To Avoid <b>FLAMMABLE LIQUIDS, ACTIVE METALS, ORGANIC HALOGEN COMPOUNDS, STRONG ACIDS CAUSE VIOLENT REACTIONS.</b>                                                                                                                                                                                       |                                |                                                                                  |
|                                                   | Hazardous Decomposition Products <b>CO WITH INCOMPLETE COMBUSTION.</b>                                                                                                                                                                                                                                             |                                |                                                                                  |
| XI<br>Toxicological Information                   |                                                                                                                                                                                                                                                                                                                    |                                |                                                                                  |
| XII<br>Ecological Information                     | Possible Effects and Environmental Fate                                                                                                                                                                                                                                                                            |                                |                                                                                  |
|                                                   | Degradability                                                                                                                                                                                                                                                                                                      |                                |                                                                                  |
|                                                   | Aquatic Toxicity                                                                                                                                                                                                                                                                                                   |                                |                                                                                  |
| XIII<br>Disposal Consideration                    | Method of Disposal, Residues and Safe Handling<br><b>USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, ADD TO OPERATION REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL CONTAINS PHOSPHATES CONSULT LOCAL OR STATE REGULATORS FOR HAZARDOUS WASTE DISPOSAL</b> |                                |                                                                                  |
|                                                   | Disposal of Contaminated Material <b>CO WITH INCOMPLETE COMBUSTION.</b>                                                                                                                                                                                                                                            |                                |                                                                                  |
| XIV<br>Transport Information                      | <b>CORROSIVE LIQUID,BASIC,INORGANIC,N.O.S.,(POTASSIUM HYDROXIDE),8,UN3266,PG II, ERG#60, NAERG#154</b>                                                                                                                                                                                                             |                                |                                                                                  |
| XV-Regulatory Information                         |                                                                                                                                                                                                                                                                                                                    |                                |                                                                                  |
| XVI-Other Information                             |                                                                                                                                                                                                                                                                                                                    |                                |                                                                                  |
| S.A.R.A.<br>Title III<br>Section 313              | <b>ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.</b>                                                                                                                                                                                                                                                  |                                |                                                                                  |
| State<br>Right to Know<br>Information             | <b>POTASSIUM HYDROXIDE - CAS #1310-58-3</b><br><b>WATER - CAS #7732-18-5</b><br><b>SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4</b><br><b>SODIUM POLYACRYLATE - CAS #9003-04-7</b><br><b>POLYALKOXY GLYCOL - CAS #9003-11-6</b>                                                                                        |                                |                                                                                  |