



# MATERIAL SAFETY DATA SHEET

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|                                                                                                                                                    |                                                                                                                                                         |                                |                                                                       |                                                         |
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| <b>I</b><br>Chemical Product<br>and Company<br>Identification                                                                                      | Product Name <b>ADVANCE LIQUID POWER</b>                                                                                                                |                                |                                                                       | Emergency <b>(800)831-9889</b>                          |
|                                                                                                                                                    | Product Code <b>65203000</b> UPC-A <b>363652030000</b> SCC <b>10363652030007</b>                                                                        |                                |                                                                       | Medical(Collect) <b>(303)592-1024</b>                   |
|                                                                                                                                                    | Manufacturer <b>JOHNSON DIVERSEY INC.</b><br><b>3630 E. KEMPER RD</b><br><b>CINCINNATI, OH 45241-2046</b>                                               |                                |                                                                       | Chemtree <b>(800)424-9300</b><br>Date <b>05/31/2000</b> |
|                                                                                                                                                    | Chemical Family                                                                                                                                         |                                |                                                                       |                                                         |
| <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>SODIUM HYPOCHLORITE</b><br><b>(7681-52-9)</b>                     | %<br><b>&lt;15</b><br><b>2</b> | Exposure Limits<br><b>TLV C 2; PEL C 2</b><br><b>NONE ESTABLISHED</b> | Units<br><b>MG/M3</b>                                   |
| <b>III</b><br>Hazards<br>Identification                                                                                                            | Signs and Symptoms of Exposure <b>CAUSES BURNS TO SKIN AND EYES WITH IRREVERSIBLE EYE DAMAGE. HARMFUL IF SWALLOWED.</b>                                 |                                |                                                                       |                                                         |
|                                                                                                                                                    | Chronic <b>SAME AS ACUTE</b>                                                                                                                            |                                |                                                                       |                                                         |
|                                                                                                                                                    | HMIS:     Health <b>3</b> Flammability <b>0</b> Reactivity <b>0</b> Personal Protection <b>C</b>                                                        |                                |                                                                       |                                                         |
|                                                                                                                                                    | Conditions Aggravated <b>SENSITIVE SKIN, EYES. DUST OR MIST MAY AGGRAVATE RESPIRATORY DISEASE.</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>REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.</b>                                                                                           |                                |                                                                       |                                                         |
|                                                                                                                                                    | Eyes <b>IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.</b>                                               |                                |                                                                       |                                                         |
|                                                                                                                                                    | Skin <b>PROMPTLY FLUSH WITH FRESH WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION FOR ANY INJURED SKIN.</b>                         |                                |                                                                       |                                                         |
|                                                                                                                                                    | Ingestion <b>GIVE WATER, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.</b>                      |                                |                                                                       |                                                         |
| <b>V</b><br>Fire Fighting<br>Measures                                                                                                              | Fire Control Measures/Equipment <b>WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT WITH CAUSTIC SOLUTIONS.</b> |                                |                                                                       |                                                         |
|                                                                                                                                                    | Flammable Property Info                                                                                                                                 |                                |                                                                       |                                                         |
|                                                                                                                                                    | Explosion Info <b>CORROSIVE LIQUID</b>                                                                                                                  |                                |                                                                       |                                                         |
|                                                                                                                                                    | Extinguishing Media <b>CO2, FOAM, DRY CHEMICALS, WATER</b>                                                                                              |                                |                                                                       |                                                         |
|                                                                                                                                                    | Gases                                                                                                                                                   |                                |                                                                       |                                                         |

|                                                          |                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                 |              |                                     |            |                                             |                      |       |             |                  |            |   |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------|------------|---------------------------------------------|----------------------|-------|-------------|------------------|------------|---|
| <b>VI</b><br>Accidental Measures                         | Spill and Leak<br>Clean Up Procedures                                                                                                                                          | <b>CONTAIN SPILL. LIQUIDS SHOULD BE VACUUMED UP OR ABSORBED WITH CLAY OR SAND. PLACE WASTE IN APPROPRIATE COVERED CONTAINER. NEUTRALIZE RESIDUE WITH SODIUM BISULFITE OR THIOSULFATE FOR AVAILABLE CHLORINE AND WITH DILUTE MINERAL ACIDS OR SODIUM BICARBONATE FOR ALKALINITY. AVOID EYE AND SKIN CONTACT. RINSE AREA WITH WATER.</b>                          |              |                                     |            |                                             |                      |       |             |                  |            |   |
|                                                          | Environmental Precaution:                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                 |              |                                     |            |                                             |                      |       |             |                  |            |   |
| <b>VII</b><br>Handling and Storage                       | Ventilation Required?                                                                                                                                                          | <b>NO</b>                                                                                                                                                                                                                                                                                                                                                       | Instructions | <b>PROVIDE ADEQUATE VENTILATION</b> |            |                                             |                      |       |             |                  |            |   |
|                                                          | Safe Storage, Handling and Use Instructions                                                                                                                                    | <b>STORE IN COOL AREA AWAY FROM SUNLIGHT OR SOURCES OF HEAT. KEEP AWAY FROM ACIDS. KEEP CONTAINER CLOSED. DO NOT STORE WITH FOOD. KEEP OUT OF THE REACH OF CHILDREN.</b>                                                                                                                                                                                        |              |                                     |            |                                             |                      |       |             |                  |            |   |
|                                                          | Incompatible Materials                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                 |              |                                     |            |                                             |                      |       |             |                  |            |   |
| <b>VIII</b><br>Exposure Controls/<br>Personal Protection | Protective Gloves                                                                                                                                                              | <b>RUBBER, PVC, OR CHEMICALLY RESISTANT</b>                                                                                                                                                                                                                                                                                                                     |              |                                     |            |                                             |                      |       |             |                  |            |   |
|                                                          | Eye Protection                                                                                                                                                                 | <b>FACE SHIELD</b>                                                                                                                                                                                                                                                                                                                                              |              |                                     |            |                                             |                      |       |             |                  |            |   |
|                                                          | Respiratory Protection                                                                                                                                                         | <b>WEAR NIOSH ALKALINE CARTRIDGE RESPIRATOR WITH CHARCOAL FILTER IF TLV/PEL LIMITS ARE EXCEEDED.</b>                                                                                                                                                                                                                                                            |              |                                     |            |                                             |                      |       |             |                  |            |   |
|                                                          | Other Protective Clothing Equipment                                                                                                                                            | <b>CHEMICALLY IMPERVIOUS CLOTHING AND FOOTWEAR TO PREVENT SKIN CONTACT. EYE WASH IN USE AREA.</b>                                                                                                                                                                                                                                                               |              |                                     |            |                                             |                      |       |             |                  |            |   |
| <b>IX</b><br>Physical and Chemical Properties            | Characteristics of Hazardous Chemical                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                 |              |                                     |            |                                             |                      |       |             |                  |            |   |
|                                                          | Vapor Pressure                                                                                                                                                                 | <b>20.8</b>                                                                                                                                                                                                                                                                                                                                                     | MmHg@        | <b>20</b>                           | °C         | Vapor Density(Air=1)                        | <b>N/K</b>           | pH    |             | Water Solubility | <b>100</b> | % |
|                                                          | Appearance & Odor                                                                                                                                                              | <b>CLEAR, LIGHT YELLOW LIQUID; SLIGHT CHLORINE ODOR</b>                                                                                                                                                                                                                                                                                                         |              |                                     |            |                                             |                      |       |             |                  |            |   |
|                                                          | Boiling Point                                                                                                                                                                  | <b>216</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>1.26</b>                                                                                                                                                                                                                                                                                                                                                     |              |                                     |            |                                             | Volatile by Volume   |       | <b>70</b>   | %                |            |   |
|                                                          | Evaporation Rate(n-Butyl Acetate=1) <b>&gt;1</b>                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 |              |                                     |            |                                             |                      |       |             |                  |            |   |
| <b>X</b><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>ACTIVE METALS, NITROGEN CONTAINING COMPOUNDS. STRONG ACIDS CAUSE VIOLENT REACTIONS.</b>                                                                                                                                                                                                                                                                      |              |                                     |            |                                             |                      |       |             |                  |            |   |
|                                                          | Hazardous Decomposition Products                                                                                                                                               | <b>CHLORINE OR ORGANO-CHLORINE GASES WHEN MIXED WITH ACIDS OR HEATED ABOVE 250 DEGREES F.</b>                                                                                                                                                                                                                                                                   |              |                                     |            |                                             |                      |       |             |                  |            |   |
| <b>XI</b><br>Toxicological Information                   |                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                 |              |                                     |            |                                             |                      |       |             |                  |            |   |
| <b>XII</b><br>Ecological Information                     | Possible Effects and Environmental Fate                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                 |              |                                     |            |                                             |                      |       |             |                  |            |   |
|                                                          | Degradability                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                 |              |                                     |            |                                             |                      |       |             |                  |            |   |
|                                                          | Aquatic Toxicity                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                 |              |                                     |            |                                             |                      |       |             |                  |            |   |
| <b>XIII</b><br>Disposal Consideration                    | Method of Disposal, Residues and Safe Handling                                                                                                                                 | <b>USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE CONTAINER WITH WATER, ADD TO OPERATION. REMOVE AND DEFACE CONTAINER LABEL BEFORE SELLING OR DISPOSAL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. ADJUST PH; CONTAINS CHLORINE AND PHOSPHORUS. SOLUTIONS MAY BE TOXIC TO FISH OR AQUATIC LIFE.</b> |              |                                     |            |                                             |                      |       |             |                  |            |   |
|                                                          | Disposal of Contaminated Material                                                                                                                                              | <b>CHLORINE OR ORGANO-CHLORINE GASES WHEN MIXED WITH ACIDS OR HEATED ABOVE 250 DEGREES F.</b>                                                                                                                                                                                                                                                                   |              |                                     |            |                                             |                      |       |             |                  |            |   |
| <b>XIV</b><br>Transport Information                      | <b>CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (NITRIC ACID, PHOSPHORIC ACID), 8, UN3264, PG II, 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 HYPOCHLORITE - CAS #7681-52-9</b> |                                                                                                                                                                                                                                                                                                                                                                 |              |                                     |            |                                             |                      |       |             |                  |            |   |