



# MATERIAL SAFETY DATA SHEET

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|                                                            |                                                                                               |                                                                                                                                           |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------|--------------------------------------|---------------------|---|
| I<br><br>Chemical Product<br>and Company<br>Identification | Product Name      ADVANCE DELIMER                                                             |                                                                                                                                           |                                                                          |                                                                                                                                |             |                                         | Emergency            (800)831-9889   |                     |   |
|                                                            | Product Code      65211000     UPC-A 363652110009     SCC 10363652110006                      |                                                                                                                                           |                                                                          |                                                                                                                                |             |                                         | Medical(Collect)       (303)592-1024 |                     |   |
|                                                            | Manufacturer          JOHNSON DIVERSEY INC.<br>3630 E. KEMPER RD<br>CINCINNATI, OH 45241-2046 |                                                                                                                                           |                                                                          |                                                                                                                                |             |                                         | Chemtree              (800)424-9300  |                     |   |
|                                                            |                                                                                               |                                                                                                                                           |                                                                          |                                                                                                                                |             |                                         | Date                    03/08/1999   |                     |   |
|                                                            | Chemical Family      LIQUID ACID DELIMER                                                      |                                                                                                                                           |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
| II<br><br>Composition/<br>Information<br>on Ingredients    | Chemical Name of Hazardous Ingredient<br>PHOSPHORIC ACID (7664-38-2)                          |                                                                                                                                           |                                                                          |                                                                                                                                | %<br><br>33 | Exposure Limits<br>TLV 1; PEL 1; STEL 3 |                                      | Units<br>MG/M3      |   |
| III<br><br>Hazards<br>Identification                       | Signs<br>and<br>Symptoms<br>of<br>Exposure                                                    |                                                                                                                                           | A<br>C<br>U<br>T<br>E<br><br>C<br>H<br>R<br>O<br>N<br>I<br>C             | <b>MAY CAUSE BURNS TO SKIN AND EYES. MISTS ARE IRRITATING TO SKIN, EYES, AND RESPIRATORY TRACT. MAY BE FATAL IF SWALLOWED.</b> |             |                                         |                                      |                     |   |
|                                                            |                                                                                               |                                                                                                                                           |                                                                          | SAME AS ACUTE                                                                                                                  |             |                                         |                                      |                     |   |
|                                                            | HMIS:                                                                                         | Health                                                                                                                                    | 3                                                                        | Flammability                                                                                                                   | 0           | Reactivity                              | 0                                    | Personal Protection | D |
|                                                            | Conditions Aggravated                                                                         |                                                                                                                                           | SENSITIVE SKIN. MISTS MAY INTENSIFY PULMONARY OR RESPIRATORY CONDITIONS. |                                                                                                                                |             |                                         |                                      |                     |   |
|                                                            | Carcinogen Info                                                                               | NONE                                                                                                                                      |                                                                          |                                                                                                                                |             | NTP                                     | IARC                                 | OSHA                |   |
|                                                            | Target Organs or System                                                                       |                                                                                                                                           |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
|                                                            | Routes of Exposure:<br>Inhalation    ☒           Skin        ☒           Ingestion    ☒       |                                                                                                                                           |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
| IV<br><br>First Aid Measures                               | Inhalation                                                                                    | REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.                                                                                               |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
|                                                            | Eyes                                                                                          | IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.                                             |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
|                                                            | Skin                                                                                          | PROMPTLY FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION FOR INJURED SKIN. |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
|                                                            | Ingestion                                                                                     | GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.                         |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
| V<br><br>Fire Fighting Measures                            | Fire Control Measures/ Equipment                                                              | NONE KNOWN.                                                                                                                               |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
|                                                            | Flammable Property Info                                                                       |                                                                                                                                           |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
|                                                            | Explosion Info                                                                                | NONE KNOWN                                                                                                                                |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
|                                                            | Extinguishing Media                                                                           | WATER, WATER FOG                                                                                                                          |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |
|                                                            | Gases                                                                                         |                                                                                                                                           |                                                                          |                                                                                                                                |             |                                         |                                      |                     |   |

|                                                |                                                                                                                                      |                                                                                                                                                                                                                                                                                                                        |                                           |               |     |                      |                                             |    |      |                  |      |   |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------|-----|----------------------|---------------------------------------------|----|------|------------------|------|---|
| VI<br>Accidental Measures                      | Spill and Leak Clean Up Procedures                                                                                                   | STOP LEAKS AND CONTAIN SPILL. WEAR APPROPRIATE PROTECTIVE EQUIPMENT. LIQUIDS SHOULD BE VACUUMED UP OR ABSORBED WITH CLAY OR SAND. PLACE WASTE IN APPROPRIATE COVERED CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE ALKALI (SODIUM CARBONATE) AND FLUSH AREA WITH WATER.<br>CERCLA PRODUCT RQ = 25,000 LBS OR 2,676 GALLONS |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Environmental Precautions                                                                                                            |                                                                                                                                                                                                                                                                                                                        |                                           |               |     |                      |                                             |    |      |                  |      |   |
| VII<br>Handling and Storage                    | Ventilation Required?                                                                                                                | YES Instructions NORMAL AIR DILUTION                                                                                                                                                                                                                                                                                   |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Safe Storage, Handling and Use Instructions                                                                                          | DO NOT PRESSURE CONTAINER TO EMPTY. KEEP CONTAINER CLOSED.<br>DO NOT STORE WITH FOOD. KEEP OUT OF REACH OF CHILDREN.                                                                                                                                                                                                   |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Incompatible Materials                                                                                                               |                                                                                                                                                                                                                                                                                                                        |                                           |               |     |                      |                                             |    |      |                  |      |   |
| VIII<br>Exposure Controls/ Personal Protection | Protective Gloves                                                                                                                    | ACID RESISTANT, RUBBER, OR PVC                                                                                                                                                                                                                                                                                         |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Eye Protection                                                                                                                       | SAFETY GOGGLES OR FACE SHIELD                                                                                                                                                                                                                                                                                          |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Respiratory Protection                                                                                                               | IF PEL/TLV IS EXCEEDED, USE NIOSH APPROVED ACID CARTRIDGE VAPOR RESPIRATOR OR AIR RESPIRATOR WITH FULL FACE PIECE.                                                                                                                                                                                                     |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Other Protective Clothing Equipment                                                                                                  | WEAR CHEMICAL APRON WHEN HANDLING WITH IMPERVIOUS CLOTHING AND FOOTWEAR. SAFETY SHOWER/EYE WASH.                                                                                                                                                                                                                       |                                           |               |     |                      |                                             |    |      |                  |      |   |
| IX<br>Physical and Chemical Properties         | Characteristics of Hazardous Chemical                                                                                                |                                                                                                                                                                                                                                                                                                                        |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Vapor Pressure                                                                                                                       | 22.8                                                                                                                                                                                                                                                                                                                   | MmHg@                                     | 20            | °C  | Vapor Density(Air=1) | >1                                          | pH |      | Water Solubility | 100  | % |
|                                                | Appearance & Odor                                                                                                                    |                                                                                                                                                                                                                                                                                                                        | CLEAR DARK BROWN LIQUID; MILD ACIDIC ODOR |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Boiling Point                                                                                                                        | 212                                                                                                                                                                                                                                                                                                                    | °F                                        | Melting Point |     | °F                   | Flammability Limits in Air By Volume: Upper |    | NONE | Lower            | NONE |   |
|                                                | Flash Point                                                                                                                          | NONE                                                                                                                                                                                                                                                                                                                   | °F                                        | Auto Ignition | N/A | °F                   | Oxidizing Properties                        |    |      |                  |      |   |
|                                                | Specific Gravity                                                                                                                     | 1.12                                                                                                                                                                                                                                                                                                                   |                                           |               |     |                      | Volatile by Volume                          |    | 80   | %                |      |   |
|                                                | Evaporation Rate(n-Butyl Acetate=1)                                                                                                  |                                                                                                                                                                                                                                                                                                                        | <1                                        |               |     |                      |                                             |    |      |                  |      |   |
| X<br>Stability and Reactivity                  | Peroxide, Pyrophoric, Unstable or Water Reactive                                                                                     | NONE                                                                                                                                                                                                                                                                                                                   |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Reactivity and Hazardous Polymerization                                                                                              | NONE                                                                                                                                                                                                                                                                                                                   |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Possible Hazardous Reactions                                                                                                         |                                                                                                                                                                                                                                                                                                                        |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Conditions to Avoid                                                                                                                  |                                                                                                                                                                                                                                                                                                                        |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Materials To Avoid                                                                                                                   | CONCENTRATED ALKALIS, CHLORINATED MATERIALS, SOFT METALS                                                                                                                                                                                                                                                               |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Hazardous Decomposition Products                                                                                                     | NONE KNOWN                                                                                                                                                                                                                                                                                                             |                                           |               |     |                      |                                             |    |      |                  |      |   |
| 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                                                                                       | USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE CONTAINER WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE CONTAINER LABEL BEFORE SELLING OR DISPOSAL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. ADJUST PH; CONTAINS PHOSPHORUS.                             |                                           |               |     |                      |                                             |    |      |                  |      |   |
|                                                | Disposal of Contaminated Material                                                                                                    | NONE KNOWN                                                                                                                                                                                                                                                                                                             |                                           |               |     |                      |                                             |    |      |                  |      |   |
| XIV<br>Transport Information                   | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (PHOSPHORIC ACID),8, UN3264,PG III, LTD. QTY., ERG NO. 60, NAERG NO. 154                |                                                                                                                                                                                                                                                                                                                        |                                           |               |     |                      |                                             |    |      |                  |      |   |
| XV-Regulatory Information                      |                                                                                                                                      |                                                                                                                                                                                                                                                                                                                        |                                           |               |     |                      |                                             |    |      |                  |      |   |
| XVI-Other Information                          |                                                                                                                                      |                                                                                                                                                                                                                                                                                                                        |                                           |               |     |                      |                                             |    |      |                  |      |   |
| S.A.R.A. Title III Section 313                 | THIS PRODUCT CONTAINS PHOSPHORIC ACID (7664-38-2) AT 33%, WHICH IS SARA REPORTABLE.                                                  |                                                                                                                                                                                                                                                                                                                        |                                           |               |     |                      |                                             |    |      |                  |      |   |
| State Right to Know Information                | WATER - CAS #7732-18-5<br>PHOSPHORIC ACID - CAS #7664-38-2<br>ETHOXYLATED ALCOHOL - CAS #69227-21-0<br>CARMEL COLOR - CAS #8028-89-5 |                                                                                                                                                                                                                                                                                                                        |                                           |               |     |                      |                                             |    |      |                  |      |   |