



# MATERIAL SAFETY DATA SHEET

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|                                                            |                                                                                                                                                             |                                                                                                                                                |                                                                                                |                                                           |       |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------|
| I<br><br>Chemical Product<br>and Company<br>Identification | Product Name <b>LEVER TECH SOUR   15G</b>                                                                                                                   |                                                                                                                                                | Emergency <b>(800)831-9889</b>                                                                 |                                                           |       |
|                                                            | Product Code <b>91504</b> UPC-A <b>770128915042</b> SCC                                                                                                     |                                                                                                                                                | 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><br>Date <b>01/10/2000</b>                                    |                                                           |       |
|                                                            | Chemical Family <b>LAUNDRY SOUR</b>                                                                                                                         |                                                                                                                                                |                                                                                                |                                                           |       |
| II<br><br>Composition/<br>Information<br>on Ingredients    | Chemical Name of Hazardous Ingredient<br><b>FORMIC ACID   64-18-6</b><br><b>OXALIC ACID   144-62-7</b>                                                      |                                                                                                                                                | %<br><br><b>10</b><br><br>≤5                                                                   | Exposure Limits<br><br><b>5 PPM</b><br><br><b>1 MG/M3</b> | Units |
|                                                            |                                                                                                                                                             |                                                                                                                                                |                                                                                                |                                                           |       |
| III<br><br>Hazards<br>Identification                       | Signs<br>and<br>Symptoms<br>of<br>Exposure                                                                                                                  | A<br>C<br>U<br>T<br>E                                                                                                                          | <b>CORROSIVE TO SKIN AND EYES, MISTS ARE CORROSIVE TO SKIN<br/>EYES AND RESPIRATORY TRACT.</b> |                                                           |       |
|                                                            |                                                                                                                                                             | C<br>H<br>R<br>O<br>N<br>I<br>C                                                                                                                | <b>SAME AS ACUTE EFFECTS.</b>                                                                  |                                                           |       |
|                                                            | HMIS:   Health <b>3</b> Flammability <b>0</b> Reactivity <b>0</b> Personal Protection <b>C</b>                                                              |                                                                                                                                                |                                                                                                |                                                           |       |
|                                                            | Conditions Aggravated <b>SENSITIVE SKIN.</b>                                                                                                                |                                                                                                                                                |                                                                                                |                                                           |       |
|                                                            | Carcinogen Info <b>NONE</b>                                                                                                                                 |                                                                                                                                                | NTP                                                                                            | IARC                                                      | OSHA  |
|                                                            | Target Organs or System <b>EYES, SKIN AND RESPIRATORY TRACT.</b>                                                                                            |                                                                                                                                                |                                                                                                |                                                           |       |
|                                                            | Routes of Exposure:   Inhalation <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> |                                                                                                                                                |                                                                                                |                                                           |       |
| IV<br><br>First Aid Measures                               | Inhalation                                                                                                                                                  | <b>REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION.</b>                                                                                         |                                                                                                |                                                           |       |
|                                                            | Eyes                                                                                                                                                        | <b>IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.</b>                                                      |                                                                                                |                                                           |       |
|                                                            | Skin                                                                                                                                                        | <b>FLUSH SKIN WITH PLENTY OF WATER. REMOVE AND LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION FOR IRRITATION OR INJURY.</b> |                                                                                                |                                                           |       |
|                                                            | Ingestion                                                                                                                                                   | <b>DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.<br/>NOTE: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.</b>                         |                                                                                                |                                                           |       |
| V<br><br>Fire Fighting<br>Measures                         | Fire Control<br>Measures/<br>Equipment                                                                                                                      | <b>WEAR FULL PROTECTIVE GEAR AND POSITIVE PRESSURE BREATHING APPARATUS (SCBA) IN FIRE AREA.</b>                                                |                                                                                                |                                                           |       |
|                                                            | Flammable Property Info                                                                                                                                     | <b>NONE</b>                                                                                                                                    |                                                                                                |                                                           |       |
|                                                            | Explosion Info                                                                                                                                              | <b>NONE KNOWN.</b>                                                                                                                             |                                                                                                |                                                           |       |
|                                                            | Extinguishing Media                                                                                                                                         | <b>USE MEDIA SUITABLE FOR SURROUNDING MATERIALS.</b>                                                                                           |                                                                                                |                                                           |       |
|                                                            | Gases                                                                                                                                                       | <b>NONE</b>                                                                                                                                    |                                                                                                |                                                           |       |

|                                                   |                                                                                                                                                                     |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------|---------------|----------------------|----------------------------------------|---------------------------------------------|-------------|------------------|------------|-------|
| VI<br>Accidental Measures                         | Spill and Leak Clean UP Procedures                                                                                                                                  | <b>FLUSH SMALL AMOUNTS TO DRAIN; COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER. THIS PRODUCT DOES NOT CONTAIN A REPORTABLE QUANTITY (RQ) UNDER CERCLA.</b>                                                                                                  |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Environmental Precaution:                                                                                                                                           |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
| VII<br>Handling and Storage                       | Ventilation Required? <b>NONE</b>                                                                                                                                   |                                                                                                                                                                                                                                                             | Instructions <b>NOT USUALLY REQUIRED.</b>  |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Safe Storage, Handling and Use Instructions                                                                                                                         | <b>STORE AT AMBIENT ROOM TEMPERATURE. AVOID CONTACT WITH HEAT OR MOISTURE.</b>                                                                                                                                                                              |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Incompatible Materials <b>STRONG OXIDIZING AGENTS.</b>                                                                                                              |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
| VIII<br>Exposure Controls/<br>Personal Protection | Protective Gloves                                                                                                                                                   |                                                                                                                                                                                                                                                             | <b>ALKALI RESISTENT.</b>                   |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Eye Protection                                                                                                                                                      |                                                                                                                                                                                                                                                             | <b>FACE SHIELD OR GOGGLES.</b>             |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Respiratory Protection                                                                                                                                              |                                                                                                                                                                                                                                                             | <b>NOT NORMALLY REQUIRED.</b>              |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Other Protective Clothing Equipment                                                                                                                                 |                                                                                                                                                                                                                                                             | <b>WEAR CHEMICAL APRON WHEN NECESSARY.</b> |               |               |                      |                                        |                                             |             |                  |            |       |
| IX<br>Physical and Chemical Properties            | Characteristics of Hazardous Chemical                                                                                                                               |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Vapor Pressure                                                                                                                                                      | <b>N/A</b>                                                                                                                                                                                                                                                  | MmHg@                                      | <b>NA</b>     | °C            | Vapor Density(Air=1) | <b>N/A</b>                             | pH                                          | <b>1.20</b> | Water Solubility | <b>100</b> | %     |
|                                                   | Appearance & Odor                                                                                                                                                   |                                                                                                                                                                                                                                                             |                                            |               |               |                      | <b>CLEAR GREEN LIQUID, FORMIC ACID</b> |                                             |             |                  |            |       |
|                                                   | Boiling Point                                                                                                                                                       |                                                                                                                                                                                                                                                             | <b>212</b>                                 | °F            | Melting Point |                      | °F                                     | Flammability Limits in Air By Volume: Upper |             |                  |            | Lower |
|                                                   | Flash Point                                                                                                                                                         |                                                                                                                                                                                                                                                             | °F                                         | Auto Ignition |               | °F                   | Oxidizing Properties                   |                                             |             |                  |            |       |
|                                                   | Specific Gravity                                                                                                                                                    |                                                                                                                                                                                                                                                             |                                            |               | <b>1.04</b>   | Volatile by Volume   |                                        |                                             | <b>N/A</b>  | %                |            |       |
|                                                   | Evaporation Rate(n-Butyl Acetate=1)                                                                                                                                 |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
| X<br>Stability and Reactivity                     | Peroxide, Pyrophoric, Unstable or Water Reactive                                                                                                                    |                                                                                                                                                                                                                                                             | <b>STABLE</b>                              |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Reactivity and Hazardous Polymerization                                                                                                                             |                                                                                                                                                                                                                                                             | <b>NONE KNOWN.</b>                         |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Possible Hazardous Reactions                                                                                                                                        |                                                                                                                                                                                                                                                             | <b>NONE</b>                                |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Conditions to Avoid                                                                                                                                                 |                                                                                                                                                                                                                                                             | <b>NONE</b>                                |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Materials To Avoid                                                                                                                                                  |                                                                                                                                                                                                                                                             | <b>STRONG OXIDIZING AGENTS.</b>            |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Hazardous Decomposition Products                                                                                                                                    |                                                                                                                                                                                                                                                             | <b>OXIDES OF CARBON AND HYDROGEN.</b>      |               |               |                      |                                        |                                             |             |                  |            |       |
| XI<br>Toxicological Information                   | <b>NO DATA AVAILABLE.</b>                                                                                                                                           |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
| XII<br>Ecological Information                     | Possible Effects and Environmental Fate <b>NO DATA AVAILABLE.</b>                                                                                                   |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Degradability                                                                                                                                                       |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Aquatic Toxicity                                                                                                                                                    |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
| XIII<br>Disposal Consideration                    | Method of Disposal, Residues and Safe Handling                                                                                                                      | <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. DISPOSE IN A MANNER CONSISTENT WITH LOCAL, STATE, AND FEDERAL REGULATIONS.</b> |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
|                                                   | Disposal of Contaminated Material                                                                                                                                   | <b>OXIDES OF CARBON AND HYDROGEN.</b>                                                                                                                                                                                                                       |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
| XIV<br>Transport Information                      | <b>CORROSIVE LIQUID, TOXIC, N.O.S. (FORMIC ACID, OXALIC ACID), 8, (6.1), UN2922, PG II, NAERG #154.</b>                                                             |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
| XV-Regulatory Information                         |                                                                                                                                                                     |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
| XVI-Other Information                             |                                                                                                                                                                     |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
| S.A.R.A. Title III Section 313                    | <b>NONE</b>                                                                                                                                                         |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |
| State Right to Know Information                   | <b>WATER - CAS #7732-38-5<br/>FORMIC ACID - CAS#64-18-6<br/>OXALIC ACID - CAS #144-62-8<br/>ACID YELLOW 3 - CAS #113033-14-0<br/>ACID BLUE 80 - CAS #4474-24-02</b> |                                                                                                                                                                                                                                                             |                                            |               |               |                      |                                        |                                             |             |                  |            |       |