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|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------|
| I<br>Chemical Product<br>and Company<br>Identification | Product Name <b>SUMA FORCE D3.5 4x1CS</b>                                                                                                                 |                                                                                                                                                                                                                                                                                                            | Emergency <b>(800)831-9889</b>                                                |                                                         |
|                                                        | Product Code <b>57209280</b> UPC-A 774205555756 SCC 10774205555753                                                                                        |                                                                                                                                                                                                                                                                                                            | Medical(Collect) <b>(303)592-1024</b>                                         |                                                         |
|                                                        | Manufacturer <b>JOHNSONDIVERSEY INC.<br/>3630 E. KEMPER RD<br/>CINCINNATI, OH 45241-2046</b>                                                              |                                                                                                                                                                                                                                                                                                            | Chemtree <b>(800)424-9300</b>                                                 |                                                         |
|                                                        |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                            | Date <b>06/04/2002</b>                                                        |                                                         |
| Chemical Family <b>HEAVY DUTY DEGREASER</b>            |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                            |                                                                               |                                                         |
| II<br>Composition/<br>Information<br>on Ingredients    | Chemical Name of Hazardous Ingredient<br><b>DIPROPYLENE GLOCOL MONMETHYL<br/>34590-94-8<br/>ETHER</b>                                                     | %<br><br><b>1-5</b>                                                                                                                                                                                                                                                                                        | Exposure Limits<br><br><b>TLV 600S<br/>PEL 600<br/>STEL 900<br/>TWA - C 2</b> | Units<br><br><b>MG/M3<br/>MG/M3<br/>MG/M3<br/>MG/M3</b> |
|                                                        | <b>POTASSIUM HYDROXIDE 1310-58-3</b>                                                                                                                      | <b>10</b>                                                                                                                                                                                                                                                                                                  |                                                                               |                                                         |
| III<br>Hazards<br>Identification                       | Signs<br>and<br>Symptoms<br>of<br>Exposure                                                                                                                | A<br>C<br>U<br>T<br>E<br><br>EYES: SEVERE BURNS, TISSUE DAMAGE, OR IRRITATION WITH PAIN, SWELLING, BLURRED OR IMPAIRED VISION, BLINDNESS. SKIN: SEVERE BURNS, TISSUE DESTRUCTION, BLISTERS OR RASH WITH SWELLING AND PAIN. INGESTION: MAY BE FATAL. SEVERE BURNS TO MOUTH AND THROAT MAY RESULT WITH PAIN, |                                                                               |                                                         |
|                                                        |                                                                                                                                                           | C<br>H<br>R<br>O<br>N<br>I<br>C<br><br>GASTRIC PERFORATION AND DIFFICULTY IN SWALLOWING OR BREATHING. INHALATION: SPRAY OR MISTS CAUSE BURNS OR SEVERE IRRITATION TO NOSE, THROAT AND RESPIRATORY TRACT WITH PAIN, CHOKING, AND EXPERIENCE DIFFICULTY IN BREATHING.                                        |                                                                               |                                                         |
|                                                        | HMIS: Health <b>3</b> Flammability <b>0</b> Reactivity <b>0</b> Personal Protection <b>B</b>                                                              |                                                                                                                                                                                                                                                                                                            |                                                                               |                                                         |
|                                                        | Conditions Aggravated <b>DERMATITIS OR SENSITIVE SKIN.</b>                                                                                                |                                                                                                                                                                                                                                                                                                            |                                                                               |                                                         |
|                                                        | Carcinogen Info <b>NONE</b> NTP IARC OSHA                                                                                                                 |                                                                                                                                                                                                                                                                                                            |                                                                               |                                                         |
|                                                        | Target Organs or System <b>EYES, SKIN, MOUTH AND ESOPHAGUS.</b>                                                                                           |                                                                                                                                                                                                                                                                                                            |                                                                               |                                                         |
|                                                        | Routes of Exposure: Inhalation <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> |                                                                                                                                                                                                                                                                                                            |                                                                               |                                                         |
| IV<br>First Aid Measures                               | Inhalation                                                                                                                                                | REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION. INGESTION CONT: NEVER GIVE FLUIDS BY MOUTH TO AN UNCONSCIOUS PERSON.                                                                                                                                                                                       |                                                                               |                                                         |
|                                                        | Eyes                                                                                                                                                      | IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN. HOLD EYELIDS APART TO COMPLETELY FLUSH ALL CHEMICALS FROM ENTIRE EYE SURFACE. GET IMMEDIATE MEDICAL ATTENTION.                                                                                                                            |                                                                               |                                                         |
|                                                        | Skin                                                                                                                                                      | FLUSH THOROUGHLY WITH PLENTY OF WATER. WASH WITH MILD SOAP AND WATER. REMOVE CONTAMINATED CLOTHES AND SHOES AND CLEAN BEFORE REUSE. GET MEDICAL ATTENTION FOR ANY PAINFUL, RED OR INJURED SKIN                                                                                                             |                                                                               |                                                         |
|                                                        | Ingestion                                                                                                                                                 | IF SWALLOWED, RINSE MOUTH WITH WATER. DILUTE BY DRINKING SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING: IF PATIENT VOMITS, RE RINSE MOUTH. GET IMMEDIATE MEDICAL ATTENTION.                                                                                                                             |                                                                               |                                                         |
| V<br>Fire Fighting<br>Measures                         | Fire Control Measures/ Equipment                                                                                                                          | WEAR FULL PROTECTIVE GEAR AND POSITIVE PRESSURE BREATHING APPARATUS (SCBA) IN FIRE AREA.                                                                                                                                                                                                                   |                                                                               |                                                         |
|                                                        | Flammable Property Info                                                                                                                                   | NONE                                                                                                                                                                                                                                                                                                       |                                                                               |                                                         |
|                                                        | Explosion Info                                                                                                                                            | NONE KNOWN.                                                                                                                                                                                                                                                                                                |                                                                               |                                                         |
|                                                        | Extinguishing Media                                                                                                                                       | WATER, WATER SPRAY, CO2, FOAM OR DRY POWDER.                                                                                                                                                                                                                                                               |                                                                               |                                                         |
|                                                        | Gases                                                                                                                                                     | NONE                                                                                                                                                                                                                                                                                                       |                                                                               |                                                         |

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|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------|----|----------------------|---------------------------------------------|-----|------|------------------|-----|---|
| VI<br>Accidental Measures                         | Spill and Leak Clean UP Procedures                                                                                                                                                                               | CONTAIN SPILL. WEAR PROTECTIVE CLOTHING. SOAK UP OR ABSORB LIQUID ON SUITABLE ABSORBENT MATERIAL. COLLECT AND PLACE IN CHEMICAL WASTE CONTAINER. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. FLUSH SPILL AREA WITH WATER. THIS PRODUCT DOES NOT CONTAIN A REPORTABLE QUANTITY (RQ) UNDER CERCLA.        |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Environmental Precaution:                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |
| VII<br>Handling and Storage                       | Ventilation Required?                                                                                                                                                                                            | NONE Instructions NONE REQUIRED.                                                                                                                                                                                                                                                                                                |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Safe Storage, Handling and Use Instructions                                                                                                                                                                      | WEAR PROTECTIVE GEAR WHEN USING OR HANDLING. PRODUCT FREEZES BELOW 50 DEG.F. THAW BY WARMING TO 70 DEG.F & MIX FOR USE. ADD PRODUCT SLOWLY WITH MIXING TO WATER OR LIQ.TO AVOID HEAT. DO NOT LET PRODUCT COLLECT ON BOTTOM OF TANK & DO NOT PRESSURE TO EMPTY.                                                                  |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Imcompatible Materials                                                                                                                                                                                           | ACIDS                                                                                                                                                                                                                                                                                                                           |       |               |    |                      |                                             |     |      |                  |     |   |
| VIII<br>Exposure Controls/<br>Personal Protection | Protective Gloves                                                                                                                                                                                                | ALKALI RESISTENT.                                                                                                                                                                                                                                                                                                               |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Eye Protection                                                                                                                                                                                                   | CHEMICAL GOGGLES IF CONTACT OR SPLASH HAZARD EXISTS.                                                                                                                                                                                                                                                                            |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Respiratory Protection                                                                                                                                                                                           | USE NIOSH/MSHA APPROVED RESPIRATOR WHERE TLV/PEL MAY BE EXCEEDED.                                                                                                                                                                                                                                                               |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Other Protective Clothing Equipment                                                                                                                                                                              | RUBBER BOOTS & CHEMICAL RESISTANT APRON IF CONTACT OR SPLASH HZRD EXISTS. EYEWASH & SAFETY SHOWER IN AREA IF CONTACT OR SPLASH EXIS                                                                                                                                                                                             |       |               |    |                      |                                             |     |      |                  |     |   |
| IX<br>Physical and Chemical Properties            | Characteristics o of Hazardous Chemical                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Vapor Pressure                                                                                                                                                                                                   | N/A                                                                                                                                                                                                                                                                                                                             | MmHg@ | NA            | °C | Vapor Density(Air=1) | N/A                                         | pH  | 13.5 | Water Solubility | SOL | % |
|                                                   | Appearance & Odor                                                                                                                                                                                                | DARK PURPLE LIQUID, CHEMICAL ODOR.                                                                                                                                                                                                                                                                                              |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Boiling Point                                                                                                                                                                                                    | 215                                                                                                                                                                                                                                                                                                                             | °F    | Melting Point |    | °F                   | Flammability Limits in Air By Volume: Upper |     | N/A  | Lower            | N/A |   |
|                                                   | Flash Point                                                                                                                                                                                                      | NONE                                                                                                                                                                                                                                                                                                                            | °F    | Auto Ignition |    | °F                   | Oxidizing Properties                        |     |      |                  |     |   |
|                                                   | Specific Gravity                                                                                                                                                                                                 | 1.16                                                                                                                                                                                                                                                                                                                            |       |               |    | Volatile by Volume   |                                             | N/A |      | %                |     |   |
|                                                   | Evaporation Rate(n-Butyl Acetate=1)                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |
| X<br>Stability and Reactivity                     | Peroxide, Pyrophoric, Unstable or Water Reactive                                                                                                                                                                 | STABLE                                                                                                                                                                                                                                                                                                                          |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Reactivity and Hazardous Polymerization                                                                                                                                                                          | NONE KNOWN.                                                                                                                                                                                                                                                                                                                     |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Possible Hazardous Reactions                                                                                                                                                                                     | NONE                                                                                                                                                                                                                                                                                                                            |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Conditions to Avoid                                                                                                                                                                                              | NONE                                                                                                                                                                                                                                                                                                                            |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Materials To Avoid                                                                                                                                                                                               | ACIDS                                                                                                                                                                                                                                                                                                                           |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Hazardous Decomposition Products                                                                                                                                                                                 | OXIDES OF CARBON; OXIDES OF SULFUR; OXIDES OF PHOSPHORUS.                                                                                                                                                                                                                                                                       |       |               |    |                      |                                             |     |      |                  |     |   |
| XI<br>Toxicological Information                   | NO DATA AVAILABLE.                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |
| XII<br>Ecological Information                     | Possible Effects and Environmental Fate NO DATA AVAILABLE                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Degradability                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Aquatic Toxicity                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |
| XIII<br>Disposal Consideration                    | Method of Disposal, Residues and Safe Handling                                                                                                                                                                   | ADJUST PH OF DILUTED PRODUCT AND DISCHARGE TO INDUSTRIAL SEWER IN ACCORDANCE WITH DISCHARGE PERMIT OR LOCAL POTW REGULATIONS. USE PRODUCT IN CONTAINER UNTIL EMPTY. TRIPLE RINSE CONTAINER WITH WATER AND ADD TO PROCESS. RECYCLE OR DISPOSE OF CONTAINER ACCORDING TO PRODUCT LABELING OR FEDERAL, STATE OR LOCAL REGULATIONS. |       |               |    |                      |                                             |     |      |                  |     |   |
|                                                   | Disposal of Contaminated Material                                                                                                                                                                                | OXIDES OF CARBON; OXIDES OF SULFUR; OXIDES OF PHOSPHORUS.                                                                                                                                                                                                                                                                       |       |               |    |                      |                                             |     |      |                  |     |   |
| XIV<br>Transport Information                      | POTASSIUM HYDROXIDE SOLUTION, 8, UN1814, PG II, NAERG NO. 154                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |
| XV-Regulatory Information                         |                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |
| XVI-Other Information                             |                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |
| S.A.R.A. Title III Section 313                    | NONE                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |
| State Right to Know Information                   | WATER - CAS 7732-18-5<br>POTASSIUM HYDROXIDE - CAS #1310-09-8<br>SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4<br>DODECYLBENZENE SULFONIC ACID - CAS #27176-87-0<br>DIPROPYLENE GLYCOL METHYL ETHER - CAS #34590-94-8 |                                                                                                                                                                                                                                                                                                                                 |       |               |    |                      |                                             |     |      |                  |     |   |