



# MATERIAL SAFETY DATA SHEET

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[illegible]

|                                                   |                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------|----------------------|---------------------------------------------|-----|-----|------------------|-----|---|
| 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 TO 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?                                                                                                                  | Instructions                                                                                                                                                                                                                                                                                                                    |                           |               |                      |                                             |     |     |                  |     |   |
|                                                   | Safe Storage, Handling and Use Instructions                                                                                            | WEAR PROTECTIVE GEAR WHEN USING OR HANDLING. PRODUCT FREEZES BELOW 50 DEGREES F. THAW BY WARMING TO 70 DEGREES F AND MIX TO USE. ADD PRODUCT SLOWLY WITH MIXING TO WATER OR LIQUIDS TO AVOID HEAT, STEAM AND SPLATTERING. DO NOT ALLOW TO SETTLE.                                                                               |                           |               |                      |                                             |     |     |                  |     |   |
|                                                   | Imcompatible Materials                                                                                                                 |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |
| VIII<br>Exposure Controls/<br>Personal Protection | Protective Gloves                                                                                                                      | ALKALI RESISTANT                                                                                                                                                                                                                                                                                                                |                           |               |                      |                                             |     |     |                  |     |   |
|                                                   | Eye Protection                                                                                                                         | CHEMICAL GOGGLES IF CONTACT OR SPLASH HAZARDS EXISTS                                                                                                                                                                                                                                                                            |                           |               |                      |                                             |     |     |                  |     |   |
|                                                   | Respiratory Protection                                                                                                                 | USE NIOSH/MSHA APPROVED RESPIRATOR WHERE TLV/PEL MAY BE EXCEEDED                                                                                                                                                                                                                                                                |                           |               |                      |                                             |     |     |                  |     |   |
|                                                   | Other Protective Clothing Equipment                                                                                                    | RUBBER BOOTS AND CHEMICAL RESISTANT APRON IF CONTACT OR SPLASH HAZARDS EXISTS. EYEWASH AND SAFETY SHOWER.                                                                                                                                                                                                                       |                           |               |                      |                                             |     |     |                  |     |   |
| IX<br>Physical and Chemical Properties            | Characteristics o of Hazardous Chemical                                                                                                |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |
|                                                   | Vapor Pressure                                                                                                                         | N/A                                                                                                                                                                                                                                                                                                                             | MmHg@                     | °C            | Vapor Density(Air=1) | N/A                                         | pH  | 13+ | Water Solubility | 100 | % |
|                                                   | Appearance & Odor                                                                                                                      |                                                                                                                                                                                                                                                                                                                                 | RED LIQUID, CHEMICAL ODOR |               |                      |                                             |     |     |                  |     |   |
|                                                   | Boiling Point                                                                                                                          | 220                                                                                                                                                                                                                                                                                                                             | °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                                                                                                                       | 1.24                                                                                                                                                                                                                                                                                                                            |                           |               | 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                                                                                                           |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |
|                                                   | Conditions to Avoid                                                                                                                    |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |
|                                                   | Materials To Avoid                                                                                                                     | ACIDS                                                                                                                                                                                                                                                                                                                           |                           |               |                      |                                             |     |     |                  |     |   |
|                                                   | Hazardous Decomposition Products                                                                                                       | INCOMPLETE COMBUSTION FORMS; HYDROGEN CHLORIDE, CHLORINE AND CHLORINATE COMPOUNDS; OXIDES OF NITROGEN                                                                                                                                                                                                                           |                           |               |                      |                                             |     |     |                  |     |   |
| XI<br>Toxicological Information                   | NO DATA                                                                                                                                |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |
| XII<br>Ecological Information                     | Possible Effects and Environmental Fate NO DATA                                                                                        |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |
|                                                   | 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 LOCAL, STATE AND FEDERAL REGULATIONS |                           |               |                      |                                             |     |     |                  |     |   |
|                                                   | Disposal of Contaminated Material                                                                                                      | INCOMPLETE COMBUSTION FORMS; HYDROGEN CHLORIDE, CHLORINE AND CHLORINATE COMPOUNDS; OXIDES OF NITROGEN                                                                                                                                                                                                                           |                           |               |                      |                                             |     |     |                  |     |   |
| XIV<br>Transport Information                      | SODIUM HYDROXIDE SOLUTION, CLASS 8, UN1824, PGII, NAERG NO. 154                                                                        |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |
| XV-Regulatory Information                         |                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |
| XVI-Other Information                             |                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |
| S.A.R.A.<br>Title III<br>Section 313              |                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |
| State<br>Right to Know<br>Information             | WATER - CAS #7732-18-5<br>SODIUM HYDROXIDE - CAS #1310-73-2<br>TRISODIUM NITRILOTRIACETATE - CAS #5064-31-3<br>BIOCIDE - CAS #149-30-4 |                                                                                                                                                                                                                                                                                                                                 |                           |               |                      |                                             |     |     |                  |     |   |