| Material Safety Data Sheet  |  | HMIS<br>Ratin | HMIS Rating* Health 3 Flemmability 1 Reactivity 1 proget reflect CD  DOT HAZARD CLASSIFICATION:* Corrosive wMaterial Identity (Trade Name As Used On Label)   |  |                   |                    |                        |  |
|---|--|---------------|---|--|-------------------|--------------------|------------------------|--|
|   |  | Cor           |   |  |                   |                    |                        |  |
|   |  |               |   |  |                   |                    |                        |  |
| This MSDS complies with OSHA's Hazard Communication Standard 29 CFR 1910. 1200 and OSHA FORM 174. |  |               | R-990 Liquidate   |  |                   |                    |                        |  |
| MANUFACTURER'S NAME Amrep, Inc. ADDRESS 990 Industrial Park Drive                                 |  |               | MSDS Number* R-990- 5  EMERGENCY RESPONSE NUMBER: 800-255-3924  Date Prepared 6/10/91   |  |                   |                    |                        |  |
|   |  | EM            |   |  |                   |                    |                        |  |
|   |  | Date          |   |  |                   |                    |                        |  |
| Marietta, Georgia 30062  Phone Number (For Information)   |  | Pre           | pared By*   |  |                   |                    |                        |  |
| (404) 422–2071  |  |               | المناول والمناب المناب والمناز ويمان  | (IAB   |                   |                    |                        |  |
| Emergency Phone Number<br>(404) 422-2071  |  |               |   |  | SED ON            | INDIRECT           | TEST DATA              |  |
| SECTION 1 - MATERIAL IDENTIF  | ICATION  | AND           | INFORM  | الباد والمنطقة والمناولة                         |                   | Licent             | CARCINOGEN             |  |
| COMPONENTS — Chemical Name & Common Na<br>(Hazardous Components 1% or greater; Carcinogens 0.1%   |  | CA            | S Number  | APPROX. % (wt)*                                  | OSHA<br>PEL (ppm) | ACGIH<br>TLV (ppm) | REFERENCE<br>SOURCE ** |  |
|   |  |               |   |  |                   |                    |                        |  |
| Sulfuric Acid   |  | 7664-         | 93-9  | > 95   | 1mg/m3<br>TWA     |                    | D                      |  |
|   |  |               |   |  |                   |                    |                        |  |
|   |  |               |   | <del>                                     </del> |                   |                    |                        |  |
|   |  |               |   |  |                   |                    |                        |  |
|   |  |               |   |  |                   | <del> </del>       |                        |  |
|   |  |               |   |  |                   |                    |                        |  |
| NOTICE: THIS PRODUCT MAY CONTAIN ONE OF THE LISTED SARA TITLE                                     | III SECTION 313  |               |   |  |                   |                    |                        |  |
| CHEHICALS.  67-64-1 Acetons 71-55-6 1,1,1-Trichlaroethane 13463-                                  |  |               |   |  |                   |                    |                        |  |
| 67-56-1 Hethanol 107-21-1 Ethylene glycol* 7761-  | -38-2 Phosphoric /<br>-88-8 Silver nitr:<br>-93-9 Sulfuric Ac: | ite           |   | <u> </u>   |                   |                    |                        |  |
| 94-75-7 2,4-D 108-88-3 Toluene 7440-  | -66-6 Zinc (dust)  |               |   |  |                   |                    |                        |  |
| 78-92-2 sec-Butyl sicohol 139-13-9 Nitrilatriscetic Acid 1330-                                    | -01-0 Hydrochlorid<br>-20-7 Xylene,mixed<br>-Sodium hydroxide  | atemes i      |   |  |                   |                    |                        |  |
| SECTION 2 - PHYSICAL / CHEM   | ICAL CH  | ARAC          | TERISTI   | CS   |                   |                    |                        |  |
| Boiling   | 338° C.  |               | Specific Gravity (H <sub>2</sub> O = 1) 1.835   |  | 835               |                    |                        |  |
| Point Vapor Pressure  |  |               | Vapor Pressure (Non-Aerosols)<br>(mm Hg and Temperature)  |  |                   | 0.0038 mm Hg at    |                        |  |
| PSIG @ 70°F (Aerosols) Vapor Density  | N/A  |               | Evaporation Rate  |  |                   | NA NA              |                        |  |
| (Air = 1)<br>Solubility   | 3.38<br>Complete   |               | (=i) Water  |  |                   |                    | iolently               |  |
| In Water  Appearance Clear, colorless to cloudy liqu  | 1 '  |               | Reactive  |  |                   |                    |                        |  |
| and Odor  |  | 400           | D A 7 A   |  |                   |                    |                        |  |
| SECTION 3 - FIRE AND EXPLOS   |  |               | والمنافقة والمناوع المناوع المناوع  | ina i i i i i i i i i i i i i i i i i i          |                   | LEL                | UEL                    |  |
| FLAMMABILITY as per USA FLAME PROJECTION TEST<br>(AEROSOLS)                                       |  |               | I Intititude of the second of |  |                   | N/A                | N/A                    |  |
| Flash Point and<br>Method Used (Non-Aerosols) None  |  |               |   |  |                   |                    |                        |  |
| Extinguisher CO2 or dry chemical. Use wate Media  |  |               |   |  |                   |                    | nou matasial           |  |
| Special Fire Use NIOSH/MSHA appro is involved in a fire.  | ved positive   | pressur       | e self-contair  | ned breathi                                      | ng appara         | icus when          | any material           |  |
| DO NOT allow water to   | enter cont   | ainers        | . Violent r   | eaction re                                       | esults.           |                    |                        |  |
|   |  |               |   |  |                   |                    |                        |  |
| Unusual Fire and Explosion Hazards Solutions in contact wit                                       | h metals fo  | rm hydi       | ogen.   |  |                   |                    |                        |  |
| 5   |  |               |   |  |                   |                    |                        |  |

'Optional

\*\* Chemical Listed
as Carcinogen of
Potential Carcinogen

( Animai Data Only

| ECTION                         | 4 - REACTIVITY HAZ   | ARD DATA   | R-990   |
|--------------------------------|--|--|---|
| TABILITY<br>Stable             | Conditions To Avoid Heating. Water                         | on sulfuric acid will cause splatte  | ering, fuming, and evolution of heat.   |
| Unstable compatability         | Solvents, oxidizers, redu                                  | cing agents, combustible materials   | , organic materials, alkalis, powdered metals   |
| laterials to Av                | Ovidee of sulfur. Hy                                       | ates, chlorates, nitrates, picrates,<br>ydrogen may be evolved in contac   | et with metal.  |
| AZARDOUS                       | POLYMERIZATION Condition                                   | 18   |   |
| May occur Will Not Occ         |  | None/  |   |
| ECTION                         | 5 - HEALTH HAZARI  | D DATA   |   |
| RIMARY RO                      | Skin Absorption  | Ingestion Not Hazardon   | us  |
| CUTE EFF                       | ECTS Burns, rapid destruct                                 | tion of all tissue contacted.  |   |
| Inhalation                     | May cause respiratory irrita                               | ation. Liquid is corrosive.  |   |
| Eye Conta                      | ct<br>Corrosive.   |  |   |
| Skin Conta                     |  |  |   |
| ingestion                      | Corrosive.   | ndary effects of burns, chronic ov   | er exposure may cause tooth erosion, chronic  |
| Madiani Candi                  | Illone N/A   |  |   |
|                                | ravated by Exposure CY FIRST AID PROCEDURES                | S -  |   |
| Eye Conta                      |  | minutes. Call a physician.   |   |
| Skin Cont                      |  | minutes. Call a physician.   |   |
| Inhaiation                     |  | aia Call a physician   |   |
| ingestion                      | Wash out mouth with w                                      | rater. Give large quantities of wat  | er to drink. Do not induce vomiting. Call a   |
| SECTIO                         |  | PROTECTIVE MEASUR  | ES  |
| Respiratory P<br>(Specify Type |  | mal use and handling of product.   |   |
| Protective Gid                 | NAW  | Eye Protection   | Chemical goggles and faceshield.  |
| VENTILATI                      |  | ep air concentration below PEL. N  | formal room ventilation is usually adequate.  |
| REQUIREM                       | IENTS  | - Labelian   | and rafety shower.  |
| Other Protect                  | ive Coveralis, rubber<br>Equipment                         | apron and boots. Eyewash station   | there contact with eyes or skin, wash off wi  |
|                                |  |  | . Upon contact with eyes or skin, wash off wi   |
| SECTIO                         | N 7 - PRECAUTIONS  | FOR SAFE HANDLING  | AND USE / LEAK PROCEDURES   |
| Steps to be T<br>is Spilled Or | Delegand consequed DOT                                     | r container and seal for disposal  | lovel or sweep and place in a properly labeled<br>in an authorized and legal manner. Neutralize |
| Waste Dispor                   | at Dispose of material and                                 | da ash and dispose of this material containers in a manner approved to ascertain proper disposal proper dispos | for this material. Consult appropriate redetally  |
| Methods                        | state, and local agencies                                  | tu ascertain proper sup  |   |
|                                | to be Taken Store in origina and Storage using. Shelf life | ll shipping containers. Keep closed<br>e 1 year.   | when not in use. Follow label directions when   |
| In Handling                    |  |  |   |
| In Handling                    | utions and / or Special Hazards                            | Keep out of reach of children.   |   |