

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

| IDENTITY AND MANUFACTURER'S INFORMATION  |  |                                      |   |  |                 |                           |
|--|--|--------------------------------------|---|--|-----------------|---------------------------|
| <b>NFPA Rating:</b> Health-2; Flammability-0; Reactivity-0; Special- COR   |  |                                      | <b>HMIS Rating:</b> Health-2; Flammability-0; Reactivity-0; Personal Protection-B       |  |                 |                           |
| <b>DOT Hazard Classification:</b> Corrosive Liquid, N.O.S. 8   |  |                                      |   |  |                 |                           |
| <b>FDA:</b> This product is approved under the following FDA (21 CFR) sections: Unknown.   |  |                                      |   |  |                 |                           |
| Manufacturer's Name: <b>AmSolv Manufacturing Company.</b><br>Address: 1803 Howard Road<br>Waxahachie, TX 75165   |  |                                      | Identity (trade name as used on label):<br><b>AmSolv AmTreat 084K</b>                   |  |                 |                           |
| Date Prepared: 2005-07-05  |  | Prepared By: STH                     |   | MSDS Number: WC084K Revision - 1   |                 |                           |
| Information Calls: 1 (972) 938-1401<br>EMERGENCY RESPONSE NUMBER: 1 (972) 938-1410<br>(International)  |  |                                      | <b>NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA</b>                                     |  |                 |                           |
| SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION  |  |                                      |   |  |                 |                           |
| COMPONENTS-CHEMICAL NAMES AND COMMON NAMES<br>(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)  |  | CAS Number                           | SARA III LIST   | OSHA PEL (ppm)   | ACGIH TLV (ppm) | Carcinogen Ref. Source ** |
| SODIUM NITRITE   |  | 7632-00-0                            | No  | N/E  | N/E             | d                         |
| SODIUM HYDROXIDE   |  | 1310-73-2                            | No  | 2mg/m3   | 2mg/m3          | d                         |
|  |  |                                      |   |  |                 |                           |
|  |  |                                      |   |  |                 |                           |
|  |  |                                      |   |  |                 |                           |
| SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS  |  |                                      |   |  |                 |                           |
| <b>Boiling Point:</b> >100°C   |  |                                      | <b>Specific Gravity</b> (H2O=1): 1.18   |  |                 |                           |
| <b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A   |  |                                      | <b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): N/D                        |  |                 |                           |
| <b>Vapor Density</b> (Air = 1): N/D  |  |                                      | <b>Evaporation Rate</b> (water = 1): 1  |  |                 |                           |
| <b>Solubility in Water:</b> Miscible   |  |                                      | <b>Water Reactive:</b> No   |  |                 |                           |
| <b>Appearance and Odor:</b> Clear, blue, non-viscous liquid with no odor..   |  |                                      |   |  |                 |                           |
| SECTION 3 - FIRE AND EXPLOSION HAZARD DATA   |  |                                      |   |  |                 |                           |
| <b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A  |  | <b>Auto Ignition Temperature</b> N/A |   | <b>Flammability Limits in Air by % in Volume:</b><br>% LEL: N/A % UEL: N/A |                 |                           |
| <b>FLASH POINT AND METHOD USED</b> (non-aerosols): Non-combustible   |  |                                      | <b>EXTINGUISHER MEDIA:</b> Non-combustible. Use media appropriate for surrounding fire. |  |                 |                           |
| <b>SPECIAL FIRE FIGHTING PROCEDURES:</b> See below. Use NIOSH approved self-contained breathing apparatus.   |  |                                      |   |  |                 |                           |
| <b>Unusual Fire &amp; Explosion Hazards:</b> Temperatures above 320°C will release oxides of nitrogen, which are toxic & are oxidizers & leave a caustic residue.  |  |                                      |   |  |                 |                           |
| SECTION 4 - REACTIVITY HAZARD DATA   |  |                                      |   |  |                 |                           |
| <b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE   |  |                                      | <b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR                           |  |                 |                           |
| <b>Incompatibility</b> (Mat. to avoid): None   |  |                                      | <b>Conditions to Avoid:</b> None known.   |  |                 |                           |
| <b>Hazardous Decomposition Products:</b> None.   |  |                                      |   |  |                 |                           |
| SECTION 5 - HEALTH HAZARD DATA   |  |                                      |   |  |                 |                           |
| <b>PRIMARY ROUTES OF ENTRY:</b> [ ] INHALATION [ X ] INGESTION [ ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS   |  |                                      |   |  |                 |                           |
| <b>ACUTE EFFECTS:</b> Alkaline solution is corrosive to all body tissues.  |  |                                      |   |  |                 |                           |
| <b>Inhalation:</b> Inhalation of spray or mist will cause respiratory tract irritation.  |  |                                      |   |  |                 |                           |
| <b>Eye Contact:</b> Will cause tissue damage   |  |                                      | <b>Skin Contact:</b> Prolonged contact will cause damage.                               |  |                 |                           |
| <b>Ingestion:</b> Corrosive and prolonged contact will cause damage to esophagus   |  |                                      |   |  |                 |                           |
| <b>CHRONIC EFFECTS:</b> None known.  |  |                                      |   |  |                 |                           |
| <b>Medical Conditions Generally Aggravated by Exposure:</b> Strong irritant to existing cuts and abrasions on contact..  |  |                                      |   |  |                 |                           |
| EMERGENCY FIRST AID PROCEDURES   |  |                                      |   |  |                 |                           |
| <b>Eye Contact:</b> Flush with water for 15 minutes. If irritation persists, get medical attention.  |  |                                      |   |  |                 |                           |
| <b>Skin Contact:</b> Wash with soap and water. If irritation persists or ulceration develops, get medical attention  |  |                                      |   |  |                 |                           |
| <b>Inhalation:</b> Remove to fresh air.  |  |                                      |   |  |                 |                           |
| <b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink large quantity of water. Get immediate medical attention.  |  |                                      |   |  |                 |                           |
| SECTION 6 - CONTROL AND PROTECTIVE MEASURES  |  |                                      |   |  |                 |                           |
| <b>Respiratory Protection (specify type):</b> None required.   |  |                                      |   |  |                 |                           |
| <b>Protective Gloves:</b> Rubber, if desired.  |  |                                      | <b>Eye Protection:</b> Chemical goggles or face shield.                                 |  |                 |                           |
| <b>Ventilation Requirements:</b> Normal ventilation is adequate.   |  |                                      |   |  |                 |                           |
| <b>Other Protective Clothing &amp; Equipment:</b> Eyewash station and safety shower.   |  |                                      |   |  |                 |                           |
| <b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling, before using restroom facilities.  |  |                                      |   |  |                 |                           |
| SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE  |  |                                      |   |  |                 |                           |
| <b>Steps To Be Taken If Material Is Spilled Or Released:</b> DO NOT drain into sewers or surface waters. Soak up in absorbent material & seal in properly labeled non-leaking containers for proper authorized hazardous waste disposal. |  |                                      |   |  |                 |                           |
| <b>Waste Disposal Methods:</b> Dispose of in accordance with all local, state and federal regulations.   |  |                                      |   |  |                 |                           |
| <b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original container. Keep container sealed when not in use. Shelf life one year. Protect from extreme cold.  |  |                                      |   |  |                 |                           |
| <b>Other Precautions and/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Read and follow label directions.  |  |                                      |   |  |                 |                           |

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only