

# MATERIAL SAFETY DATA SHEET

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

| IDENTITY AND DISTRIBUTOR'S INFORMATION   |  |                 |  |                   |   |                              |
|--|--|-----------------|--|-------------------|---|------------------------------|
| <b>NFPA Rating:</b> Health-2; Flammability-3; Reactivity-0; Special-0<br><b>Manufactured For:</b> Hillyard Industries, Inc.<br><b>Address:</b> 302 N. 4 <sup>th</sup> Street<br><b>Address:</b> St. Joseph, MO 64501   |  |                 | <b>HMIS Rating:</b> Health-2; Flammability-3; Reactivity-0; Personal Protection-B<br><b>DOT Hazard Classification:</b> ORM-D<br><b>Identity</b> (trade name as used on label):<br><div style="text-align: center;"><b>I-Force Vandal Mark Remover</b><br/>(# HIL0110154)</div> |                   |   |                              |
| <b>Phone:</b> (816)-233-1321 ext. 8285 or http://www.hillyard.com<br><b>EMERGENCY RESPONSE NUMBER:</b> Chemtrec 1-800-424-9300<br><b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>   |  |                 | <b>MSDS Number:</b> A00178 <b>Revision:</b> 12<br><b>Date Prepared:</b> 05/08/03 <b>Prepared By:</b> DL/IB<br><b>Information Calls:</b> (770)422-2071  |                   |   |                              |
| SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION  |  |                 |  |                   |   |                              |
| <b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b><br>(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)   |  | CAS Number      | SARA<br>III LIST   | OSHA PEL<br>(ppm) | ACGIH<br>TLV (ppm)  | Carcinogen<br>Ref. Source ** |
| TOLUENE  |  | 108-88-3        | Yes  | 200               | 100   | d                            |
| ACETONE  |  | 67-64-1         | No   | 1000              | 750   | d                            |
| 2-BUTOXYETHANOL  |  | 111-76-2        | Yes  | 25 skin           | 25 skin   | d                            |
| ISOBUTANE/PROPANE BLEND  |  | 75-28-5/74-98-6 | No   | 800/1000          | 800/1000  | d                            |
| METHYL ETHYL KETONE  |  | 78-93-3         | Yes  | 200               | 200   | d                            |
| <b>WARNING: This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.</b>  |  |                 |  |                   |   |                              |
| SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS  |  |                 |  |                   |   |                              |
| <b>Boiling Point:</b> N/A  |  |                 | <b>Specific Gravity</b> (H <sub>2</sub> O=1): Concentrate Only = .84   |                   |   |                              |
| <b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): Max.60  |  |                 | <b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): N/A   |                   |   |                              |
| <b>Vapor Density</b> (Air = 1): N/E  |  |                 | <b>Evaporation Rate</b> ( = 1): N/E  |                   |   |                              |
| <b>Solubility in Water:</b> Partial  |  |                 | <b>Water Reactive:</b> No  |                   |   |                              |
| <b>Appearance and Odor:</b> Clear liquid, aromatic solvent odor.   |  |                 |  |                   |   |                              |
| SECTION 3 - FIRE AND EXPLOSION HAZARD DATA   |  |                 |  |                   |   |                              |
| <b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) <b>EXTREMELY FLAMMABLE</b>   |  |                 | <b>Auto Ignition Temperature</b><br>N/E  |                   | <b>Flammability Limits in Air by % in Volume:</b><br>% LEL: N/E      % UEL: N/E |                              |
| <b>FLASH POINT AND METHOD USED</b> (non-aerosols): N/A<br><b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained breathing apparatus.   |  |                 | <b>EXTINGUISHER MEDIA:</b> Foam, dry chemical, carbon dioxide, water.  |                   |   |                              |
| <b>Unusual Fire &amp; Explosion Hazards:</b> Do not expose aerosols to temperatures above 130°F or the container may rupture.  |  |                 |  |                   |   |                              |
| SECTION 4 - REACTIVITY HAZARD DATA   |  |                 |  |                   |   |                              |
| <b>STABILITY</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE  |  |                 | <b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT    OCCUR  |                   |   |                              |
| <b>Incompatibility</b> (Mat. to avoid): Acids and strong oxidizers.  |  |                 | <b>Conditions to Avoid:</b> Open flame, welding arcs, heat, sparks.  |                   |   |                              |
| <b>Hazardous Decomposition Products:</b> CO, CO <sub>2</sub> .   |  |                 |  |                   |   |                              |
| SECTION 5 - HEALTH HAZARD DATA   |  |                 |  |                   |   |                              |
| <b>PRIMARY ROUTES OF ENTRY:</b> <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS                                  |  |                 |  |                   |   |                              |
| <b>ACUTE EFFECTS:</b>  |  |                 |  |                   |   |                              |
| <b>Inhalation:</b> Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.   |  |                 |  |                   |   |                              |
| <b>Eye Contact:</b> Irritation   |  |                 | <b>Skin Contact:</b> Irritation  |                   |   |                              |
| <b>Ingestion:</b> Possible chemical pneumonitis if aspirated into lungs. Nausea.   |  |                 |  |                   |   |                              |
| <b>CHRONIC EFFECTS:</b> (Effects due to excessive exposure to the raw materials of this mixture) May cause cardiac abnormality, liver abnormalities, kidney and/or lung damage. Lab animals have experienced anemia, liver, kidney, lung, blood damage to 2 butoxyethanol. |  |                 |  |                   |   |                              |
| <b>Medical Conditions Generally Aggravated by Exposure:</b> May aggravate existing eye, skin, or upper respiratory conditions.   |  |                 |  |                   |   |                              |
| EMERGENCY FIRST AID PROCEDURES   |  |                 |  |                   |   |                              |
| <b>Eye Contact:</b> Flush with water for 15 minutes. If irritated, seek medical attention.   |  |                 |  |                   |   |                              |
| <b>Skin Contact:</b> Wash with soap and water. If irritated, seek medical attention.   |  |                 |  |                   |   |                              |
| <b>Inhalation:</b> Remove to fresh air. Resuscitate if necessary. Get medical attention.   |  |                 |  |                   |   |                              |
| <b>Ingestion:</b> <b>DO NOT INDUCE VOMITING.</b> Drink two large glasses of water. Get immediate medical attention.  |  |                 |  |                   |   |                              |
| SECTION 6 - CONTROL AND PROTECTIVE MEASURES  |  |                 |  |                   |   |                              |
| <b>Respiratory Protection (specify type):</b> If vapor concentration exceeds TLV, use respirator approved by NIOSH.  |  |                 |  |                   |   |                              |
| <b>Protective Gloves:</b> Rubber gloves.   |  |                 | <b>Eye Protection:</b> Safety glasses recommended.   |                   |   |                              |
| <b>Ventilation Requirements:</b> Adequate ventilation to keep vapor concentration below TLV.   |  |                 |  |                   |   |                              |
| <b>Other Protective Clothing &amp; Equipment:</b> None   |  |                 |  |                   |   |                              |
| <b>Hygienic Work Practices:</b> Wash with soap and water before handling food. Remove contaminated clothing.   |  |                 |  |                   |   |                              |
| SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE  |  |                 |  |                   |   |                              |
| <b>Steps To Be Taken If Material Is Spilled Or Released:</b> Absorb with suitable medium. Incinerate or landfill according to local, state or Federal regulations. Prevent from entering drains or sewers.   |  |                 |  |                   |   |                              |
| <b>Waste Disposal Methods:</b> Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.   |  |                 |  |                   |   |                              |
| <b>Precautions To Be Taken In Handling &amp; Storage:</b> Do not puncture or incinerate containers. Do not store at temperatures above 130°F.  |  |                 |  |                   |   |                              |
| <b>Other Precautions &amp;/or Special Hazards:</b> <b>KEEP OUT OF REACH OF CHILDREN.</b> Avoid food contamination. Avoid breathing vapors. Remove ignition sources.  |  |                 |  |                   |   |                              |

*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