

# 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 <b>Manufactured For:</b> Hillyard Industries, Inc. <b>Address:</b> 302 N. 4 <sup>th</sup> Street <b>Address:</b> St. Joseph, MO 64501			<b>HMIS Rating:</b> Health-2; Flammability-3; Reactivity-0; Personal Protection-B <b>DOT Hazard Classification:</b> ORM-D <b>Identity</b> (trade name as used on label): <div style="text-align: center;"><b>I-Force Vandal Mark Remover</b> (# HIL0110154)</div>		
<b>Phone:</b> (816)-233-1321 ext. 8285 or http://www.hillyard.com <b>EMERGENCY RESPONSE NUMBER:</b> Chemtrec 1-800-424-9300 <b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>			<b>MSDS Number:</b> A00178 <b>Revision:</b> 12 <b>Date Prepared:</b> 05/08/03 <b>Prepared By:</b> DL/IB <b>Information Calls:</b> (770)422-2071		
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION					
<b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b> (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)
TOLUENE		108-88-3	Yes	200	100
ACETONE		67-64-1	No	1000	750
2-BUTOXYETHANOL		111-76-2	Yes	25 skin	25 skin
ISOBUTANE/PROPANE BLEND		75-28-5/74-98-6	No	800/1000	800/1000
METHYL ETHYL KETONE		78-93-3	Yes	200	200
<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> N/E		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/E      % UEL: N/E	
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): N/A <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> [ X ] STABLE [ ] UNSTABLE <b>Incompatibility</b> (Mat. to avoid): Acids and strong oxidizers.		<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR <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> [ X ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ ] EYE [ ] 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> DO NOT INDUCE VOMITING. 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> KEEP OUT OF REACH OF CHILDREN. 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