

# 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-2; Reactivity-0; Special -		<b>HMIS Rating:</b> Health-2; Flammability-2; Reactivity-0; Personal Protection-B	
<b>Manufacturer's Name:</b> H & B Industries, Inc.. <b>Address:</b> 9758 Abernathy Ave. <b>Address:</b> Dallas, TX 75220		<b>DOT Hazard Classification:</b> <span style="float: right;"><b>Combustible 3</b></span> <b>Identity</b> (trade name as used on label): <b>HB-47 TAR BABY Tar &amp; Asphalt Remover</b>	
<b>Prepared:</b> 02/05/05 <b>Prepared By:</b> ED		<b>MSDS Number:</b> HB47 <b>Revision:</b> - 3	
<b>Information Calls:</b> (800) 466-0855 <b>EMERGENCY RESPONSE NUMBER:</b> (800) 535-5053		NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA	

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
PETROLEUM SOLVENT-Heavy Aromatic Naphtha	64742—94-5	No	100	N/E	d
Ethanol,2-butoxy	111-76-2	No	25	N/E	

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Flash Point:</b> 145° F+	<b>Specific Gravity</b> (H2O=1): 0.84
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A	<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): 5@1 00° F
<b>Vapor Density</b> (Air = 1): 5	<b>Evaporation Rate</b> ( = 1): N/D
<b>Solubility in Water:</b> Negligible	<b>Water Reactive:</b> No
<b>Appearance and Odor:</b> Brown liquid with typical petroleum distillate odor.	

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A	Auto Ignition	Temperature	<b>Flammability Limits in Air by % in Volume:</b>
		N/D	% LEL: NA      % UEL: NA
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): 145° F TCC	with out	<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	
<b>EXTINGUISHER MEDIA:</b> Water spray or fog, foam, dry chemical or CO2. Do not use direct water stream.		Do not enter confined fire space NIOSH approved self-contained containers, surrounding equipment & proper protective equipment including	
<b>Unusual Fire &amp; Explosion Hazards:</b> None known.			

## 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): Oxidizing materials.	<b>Conditions to Avoid:</b> Heat, sparks, open flame.
<b>Hazardous Decomposition Products:</b> Oxides of carbon & unidentified organic compounds may be formed during combustion.	

## SECTION 5 - HEALTH HAZARD DATA

<b>PRIMARY ROUTES OF ENTRY:</b> <input 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> Toxicity: CNS depression producing headache, dizziness, nausea and loss of consciousness.	
<b>Inhalation:</b> High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes.	
<b>Eye Contact:</b> Slight irritation from short term contact. Prolonged & repeated contact more irritating.	<b>Skin Contact:</b> Prolonged & repeated liquid contact may result in irritation and dermatitis.
<b>Ingestion:</b> May result in vomiting. Aspiration of vomitus into lungs must be avoided as lung contact can result in chemical pneumonitis and pulmonary edema.	
<b>CHRONIC EFFECTS:</b> None known.	
<b>Medical Conditions Generally Aggravated by Exposure:</b> Pre-existing irritation of skin or mucous membranes.	

## 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, get medical attention.
<b>Inhalation:</b> Remove to fresh air. Provide oxygen if breathing is difficult. Get medical attention.
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

<b>Respiratory Protection (specify type):</b> As required to prevent overexposure. NIOSH approved air purifying respirator for organic vapors or atmosphere-supplying respirator.	<b>Eye Protection:</b> Safety glasses or goggles.
<b>Protective Gloves:</b> As required to minimize skin contact.	
<b>Ventilation Requirements:</b> Explosion proof ventilation as required to control vapor concentrations.	
<b>Other Protective Clothing &amp; Equipment:</b> Clothing as required to minimize skin contact. Eyewash station and safety shower.	
<b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling.	

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Contain spill. Keep out of surface waters & any sewers or water courses entering or leading to surface waters. Soak up with inert absorbent & place in properly labeled leak-proof containers for 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 shipping containers away from heat, open flame & oxidizing materials. Keep closed when not in use. Shelf life 1 year.
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Read & 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