1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Jasco / Bix Varnish & Stain Remover
Company Name: W. M. Barr
Address: 2105 Channel Avenue, Memphis, TN 38113
Phone Number: (901)775-0100

Web site address: www.wmbarr.com
Emergency Contact: 3E 24 Hour Emergency Contact: (800)451-8346
Information: W.M. Barr Customer Service: (800)398-3892

Intended Use: Paint/Varnish Remover
Synonyms: PJBV01011, QJBV00102, GJBV00103

Additional Information
This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 2
Acute Toxicity: Oral, Category 3
Acute Toxicity: Skin, Category 3
Acute Toxicity: Inhalation, Category 3
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2A
Carcinogenicity, Category 1B
Toxic To Reproduction, Category 2
Specific Target Organ Toxicity (single exposure), Category 1
Specific Target Organ Toxicity (repeated exposure), Category 2

GHS Signal Word: Danger
GHS Hazard Phrases:
H225: Highly flammable liquid and vapor.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H331: Toxic if inhaled.
H350: May cause cancer.
H361: Suspected of damaging fertility or the unborn child.
H370: Causes damage to organs.
H373: May cause damage to organs through prolonged or repeated exposure.

GHS Precaution Phrases:
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
SAFETY DATA SHEET
Jasco / Bix Varnish & Stain Remover

04/17/2015
Revision: 04/17/2015
Supersedes Revision: 03/26/2015

P260: Do not breathe gas/mist/vapors/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P281: Use personal protective equipment as required.
P300: Keep cool.

GHS Response Phrases:
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307+311: IF exposed: Call a POISON CENTER or doctor/physician.
P308+313: IF exposed or concerned: Get medical attention/advice.
P311: Call a POISON CENTER or doctor/physician.
P314: Get medical attention/advice if you feel unwell.
P315: Specific treatment see label.
P332+313: If skin irritation occurs, get medical advice/attention.
P337+313: If eye irritation persists, get medical advice/attention.
P361: Remove/Take off immediately all contaminated clothing.
P363: Wash contaminated clothing before reuse.
P370+378: In case of fire, use dry chemical powder to extinguish.

GHS Storage and Disposal Phrases:
P403+233: Store container tightly closed in well-ventilated place.
P405: Store locked up.
P501: Dispose of contents/container according to local, state and federal regulations.

Hazard Rating System:

Osha Regulatory Status:
This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):

EYE: Vapors can cause eye irritation. Contact can produce redness, inflammation, pain and temporal eye damage.

SKIN: Causes irritation, redness, pain, drying and cracking of the skin. Prolonged contact can cause burns. May be absorbed through skin.

INGESTION: May cause irritation of the gastrointestinal tract and/or abdominal spasms. Symptoms parallel inhalation. Aspiration of material into the lungs can cause chemical pneumonitis.

INHALATION: Causes irritation to the respiratory tract. Causes formation of carbon monoxide in blood which affects cardiovascular system and central nervous symptoms. Symptoms of overexposure may include skin sensations (e.g.)
pins and needles), fatigue, confusion, headaches, dizziness and drowsiness. Very high 
concentrations or continued 
exposure may cause increased light-headedness, vomiting, blurred vision, blindness, 
staggering, unconsciousness, 
comas, and even death.

CHRONIC EXPOSURE: Methylene Chloride may cause headache, mental confusion, 
depression, liver effects, kidney 
effects, bronchitis, loss of appetite, nausea, lack of balance, and visual disturbances. 
Prolonged and/or repeated skin 
contact can cause severe irritation or dermatitis. Methylene chloride may cause cancer in 
humans. Toluene may affect 
the developing fetus. Toluene chronic poisoning describe anemia, decreased blood cell count and bone marrow 
hypoplasia. Methanol report impaired vision.

Target Organs: eyes, skin, respiratory system, liver, kidneys, pancreas, heart, lungs, 
brain, central nervous system

Medical Conditions Generally Aggravated By Exposure: Those of the skin, eye, and lungs/respiratory system. This may include dermatitis; 
asthma and other breathing disorders; chronic lung disease; coronary artery disease; 
anemia;

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Concentration</th>
<th>RTECS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>Methanol {Methyl alcohol; Carbinol; Wood alcohol}</td>
<td>30.0 -50.0 %</td>
<td>PC1400000</td>
</tr>
<tr>
<td>75-09-2</td>
<td>Dichloromethane {Methylene chloride; R-30; Freon 30}</td>
<td>25.0 -40.0 %</td>
<td>PA8050000</td>
</tr>
<tr>
<td>67-64-1</td>
<td>Acetone {2-Propanone}</td>
<td>10.0 -25.0 %</td>
<td>AL3150000</td>
</tr>
<tr>
<td>108-88-3</td>
<td>Toluene {Benzene, Methyl-; Toluol}</td>
<td>10.0 -20.0 %</td>
<td>XS5250000</td>
</tr>
<tr>
<td>143-18-0</td>
<td>Oleic acid potassium salt</td>
<td>&lt; 2.0 %</td>
<td>RK1150000</td>
</tr>
</tbody>
</table>

Specific percentage of composition is being withheld as a trade secret.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If 
breathing is difficult, give 
oxygen and seek medical attention immediately.

SKIN: Immediately wash with mild soap and water for 15 minutes, while removing 
contaminated clothing and shoes. 
Wash clothing before reuse. Get medical attention.

EYE: Immediately flush with water for at least 15 minutes, lifting lower and upper eyelids 
occasionally. Get medical 
attention immediately.

INGESTION: Aspiration hazard. Do not take internally. If swallowed, DO NOT INDUCE 
VOMITING. Give large 
quantities of water. Never give anything by mouth to an unconscious person. Get 
medical attention immediately. If
vomiting occurs, keep head below hips to prevent aspiration into lungs.

Note to Physician:

This product contains methanol which can cause intoxication and central nervous system depression. Methanol is metabolized to formic acid and formaldehyde. These metabolites can cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used to prevent methanol metabolism. Ethanol administration is indicated in symptomatic patients or at blood methanol concentrations above 20 ug/dl. Methanol is effectively removed by hemodialysis.

5. FIRE FIGHTING MEASURES

IB

Flash Pt: 26.00 F  Method Used: Pensky-Marten Closed Cup

Explosive Limits:

LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Use alcohol foam, carbon dioxide, and dry chemical. Water may be used to flush spills away from exposures and to dilute spills to non-flammable mixtures.

Unsuitable Extinguishing Media: None known.

Fire Fighting Instructions:

Evacuate personnel to a safe area. Keep containers cool with water spray. Avoid breathing decomposition products. Firefighters should wear NIOSH approved self-contained breathing apparatus and full body protection. Vapors can flow along surfaces to distant ignition source and flash back.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Vapors may cause flash fire or ignite explosively.

Clean up: Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. Use non-sparking tools. Use proper bonding and grounding methods for all equipment and processes. Keep out of waterways and bodies of water. Be cautious of vapors collecting in small enclosed spaces, sewers, low lying areas, confined spaces, etc.

Small spills: Take up with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable.

Large spills: Dike far ahead of spill for later disposal.

Waste Disposal: Dispose in accordance with applicable local, state and federal regulations.
7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:
Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

Do not use this product near any source of heat or open flame, furnace areas, pilot lights, stoves, etc.

Do not use in small enclosed spaces, such as basements and bathrooms. Vapors can accumulate and explode if ignited.

Do not spread this product over large surface areas because fire and health safety risks will increase dramatically.

Precautions To Be Taken in Storing:
Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Partial Chemical Name</th>
<th>OSHA TWA</th>
<th>ACGIH TWA</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>Methanol {Methyl alcohol; Carbinol; Wood alcohol}</td>
<td>PEL: 200 ppm</td>
<td>TLV: 200 ppm</td>
<td>No data.</td>
</tr>
<tr>
<td>75-09-2</td>
<td>Dichloromethane {Methylene chloride; R-30; Freon 30}</td>
<td>PEL: 25 ppm</td>
<td>TLV: 50 ppm</td>
<td>No data.</td>
</tr>
<tr>
<td>67-64-1</td>
<td>Acetone {2-Propanone}</td>
<td>PEL: 1000 ppm</td>
<td>TLV: 500 ppm</td>
<td>No data.</td>
</tr>
<tr>
<td>108-88-3</td>
<td>Toluene {Benzene, Methyl-; Toluol}</td>
<td>PEL: 200 ppm</td>
<td>TLV: 50 ppm</td>
<td>No data.</td>
</tr>
<tr>
<td>143-18-0</td>
<td>Oleic acid potassium salt</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>

Respiratory Equipment
Avoid breathing vapor. Use NIOSH approved pressure demand or other positive pressure SCBA or airline respirators.

Eye Protection:
Use chemical goggles or glasses with side shields. A faceshield in combination with safety glasses or chemical goggles is recommended when the potential exists for spraying or splashing of liquid to the face.

Protective Gloves:
Wear gloves with as much resistance to the chemical ingredients as possible. Glove materials such as nitrile rubber may provide protection. Glove selection should be based on chemicals being used and conditions of use. Consult your glove supplier for additional information. Gloves contaminated with product should be discarded and not reused.

Other Protective Clothing:
Full Protective Clothing.

Engineering Controls
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

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the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering -- STOP -- ventilation is inadequate. Leave area immediately and move to fresh air.

Work/Hygienic/Maintenance Practices:

Have an eyewash and safety shower available.

The usual precaution for the handling of chemicals must be observed.

Wash hands thoroughly after use and before eating, drinking, or smoking. Do not eat, drink, or smoke in the work area. Discard any clothing or other protective equipment that cannot be decontaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical States</td>
<td>[ ] Gas [ X ] Liquid [ ] Solid</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Viscous, opaque white or clear liquid with aromatic ether like odor.</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>132.80 F - 140.00 F</td>
</tr>
<tr>
<td>Autoignition Pt</td>
<td>No data.</td>
</tr>
<tr>
<td>Flash Pt</td>
<td>26.00 F Method Used: Pensky-Marten Closed Cup</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>LEL: No data. UEL: No data.</td>
</tr>
<tr>
<td>Specific Gravity (Water = 1)</td>
<td>0.92 - 0.93</td>
</tr>
<tr>
<td>Density</td>
<td>7.628 - 7.728 LB/GL</td>
</tr>
<tr>
<td>Vapor Pressure (vs. Air or mm Hg)</td>
<td>&gt; 134 MM HG</td>
</tr>
<tr>
<td>Vapor Density (vs. Air = 1)</td>
<td>&lt; 2</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Slight</td>
</tr>
<tr>
<td>Viscosity</td>
<td>2000 CPS</td>
</tr>
<tr>
<td>pH</td>
<td>6.0 - 7.0</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>97.0 % by weight.</td>
</tr>
<tr>
<td>VOC / Volume</td>
<td>463.0000 G/L</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability: Unstable [ ] Stable [ X ]

Conditions To Avoid -

Instability:

Incompatibility - Materials To Avoid:

Strong oxidizers, strong caustics, acids, water + heat, and chemically active metals. May attack some forms of plastics, rubber, and coatings.

Moisture, heat, flame, ignition sources and incompatibles.

Hazardous Decomposition Or Byproducts:

Carbon monoxide, carbon dioxide, formaldehyde, hydrochloric acid and toxic gas phosgene.

Possibility of Hazardous Reactions:

Will occur [ ] Will not occur [ X ]

Conditions To Avoid -

Hazardous Reactions: No data available.
11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product as a whole has not been tested. Refer to section 2 for acute and chronic effects.

Carcinogenicity/Other Information:

CAS# 75-09-2:
Tumorigenic Effects:, TCLo, Inhalation, Rat, 3500. PPM, 6 Y.
Result:
Tumorigenic: Carcinogenic by RTECS criteria.
Endocrine: Tumors.

Standard Draize Test, Eyes, Species: Rabbit, 100.0 MG, Severe.
Result:
Effects on Newborn: Growth statistics (e.g., reduced weight gain).
Effects on Newborn: Physical.

CAS# 67-64-1:
Standard Draize Test, Skin, Species: Rabbit, 810.0 MG, 24 H, Severe.
Result:
Specific Developmental Abnormalities: Musculoskeletal system.
- European Journal of Toxicology and Environmental Hygiene., For publisher information, see TOERD9, Paris France, Vol/p/yr: 9,171, 1976

CAS# 67-64-1:
Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe.
Result:
Behavioral: Change in motor activity (specific assay).
Behavioral: Alteration of classical conditioning.

CAS# 108-88-3:
Reproductive Effects:, TCLo, Inhalation, Rat, 800.0 MG/M3, 6 H, female 14-20 day(s) after conception.
Result:
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).
Effects on Newborn: Behavioral.
- Brazilian Journal of Medical and Biological Research., Vol/p/yr: 23,533, 1990

Standard Draize Test, Eyes, Species: Rabbit, 2.000 MG, 24 H, Severe.
Result:
Effects on Embryo or Fetus: Other effects to embryo.
Specific Developmental Abnormalities: Eye, ear.

Methylene Chloride has been shown to increase the incidence of malignant tumors in mice and benign tumors in rats. Other animal studies, as well as several human

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epidemiology studies, failed to show a tumorigenic response.

-Methylene Chloride (Dichloromethane) (CAS 75-09-2) is on the IARC list as a Group 2B: Possibly Carcinogenic to Humans, and on the NTP list as Reasonably anticipated to be a human carcinogen.

-Toluene (CAS 108-88-3) is on the IARC list as a Group 3: Not Classifiable as to Carcinogenicity in Humans.

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>NTP</th>
<th>IARC</th>
<th>ACGLH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>Methanol (Methyl alcohol; Carbinol; Wood alcohol)</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>75-09-2</td>
<td>Dichloromethane (Methylene chloride; R-30; Freon 30)</td>
<td>Possible</td>
<td>2B</td>
<td>A3</td>
<td>Yes</td>
</tr>
<tr>
<td>67-64-1</td>
<td>Acetone (2-Propanone)</td>
<td>n.a.</td>
<td>n.a.</td>
<td>A4</td>
<td>n.a.</td>
</tr>
<tr>
<td>108-88-3</td>
<td>Toluene (Benzene, Methyl-; Toluol)</td>
<td>n.a.</td>
<td>3</td>
<td>A4</td>
<td>n.a.</td>
</tr>
<tr>
<td>143-18-0</td>
<td>Oleic acid potassium salt</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

General Ecological Information: This product as a whole has not been tested.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with all applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Paint Related Material
DOT Hazard Class: 3 FLAMMABLE LIQUID
UN/NA Number: UN1263 Packing Group: II

Additional Transport Information: The shipper / supplier may be able to apply one of the following exceptions if allowed under 49 CFR Regulations: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49 CFR Hazmat Regulations. Please consult 49 CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>S. 302 (EHS)</th>
<th>S. 304 RQ</th>
<th>S. 313 (TRI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>Methanol (Methyl alcohol; Carbinol; Wood alcohol)</td>
<td>No</td>
<td>Yes 5000 LB</td>
<td>Yes</td>
</tr>
<tr>
<td>75-09-2</td>
<td>Dichloromethane (Methylene chloride; R-30; Freon 30)</td>
<td>No</td>
<td>Yes 1000 LB</td>
<td>Yes</td>
</tr>
<tr>
<td>67-64-1</td>
<td>Acetone (2-Propanone)</td>
<td>No</td>
<td>Yes 5000 LB</td>
<td>No</td>
</tr>
<tr>
<td>108-88-3</td>
<td>Toluene (Benzene, Methyl-; Toluol)</td>
<td>No</td>
<td>Yes 1000 LB</td>
<td>Yes</td>
</tr>
<tr>
<td>143-18-0</td>
<td>Oleic acid potassium salt</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
This material meets the EPA Hazard Categories defined for SARA Title III Sections 311/312 as indicated:

- [X] Yes  [ ] No  Acute (immediate) Health Hazard
- [X] Yes  [ ] No  Chronic (delayed) Health Hazard
- [X] Yes  [ ] No  Fire Hazard
- [ ] Yes  [X] No  Sudden Release of Pressure Hazard
- [ ] Yes  [X] No  Reactive Hazard

### CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists

<table>
<thead>
<tr>
<th>CAS</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Other US EPA or State Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>Methanol {Methyl alcohol; Carbinol; Wood alcohol}</td>
<td>CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: Yes</td>
</tr>
<tr>
<td>75-09-2</td>
<td>Dichloromethane {Methylene chloride; R-30; Freon 30}</td>
<td>CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory, 8A CAIR; CA PROP.65: Yes</td>
</tr>
<tr>
<td>67-64-1</td>
<td>Acetone {2-Propanone}</td>
<td>CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No</td>
</tr>
<tr>
<td>108-88-3</td>
<td>Toluene {Benzene, Methyl-; Toluol}</td>
<td>CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory, 8A CAIR; CA PROP.65: Yes</td>
</tr>
<tr>
<td>143-18-0</td>
<td>Oleic acid potassium salt</td>
<td>CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No</td>
</tr>
</tbody>
</table>

### 16. OTHER INFORMATION

**Revision Date:** 04/17/2015  
**Preparer Name:** W.M. Barr EHS Dept (901)775-0100

No data available.

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.