

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** 104.2  
**Product Name:** Jasco / Bix Varnish & Stain Remover  
**Company Name:** W. M. Barr  
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  
**Product Code:** PJBV01011, QJBV00102, GJBV00103  
**Additional Information** This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

## 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 Precautionary 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.  
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.

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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.

P235: 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.

P321: Specific treatment see label.

P330: Rinse mouth.

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.

**OSHA Regulatory Status:**

This material is classified as hazardous under OSHA regulations.

**Potential Health Effects (Acute and Chronic):**

Potential Acute Health Effects:

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

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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

CAS #	Hazardous Components (Chemical Name)	Concentration
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	30.0 -50.0 %
75-09-2	Dichloromethane {Methylene chloride; R-30; Freon 30}	25.0 -40.0 %
67-64-1	Acetone {2-Propanone}	10.0 -25.0 %
108-88-3	Toluene {Benzene, Methyl-; Toluol}	10.0 -20.0 %
143-18-0	Oleic acid potassium salt	< 2.0 %

**Additional Chemical Information** 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.

**Signs and Symptoms Of Exposure:**

See Potential Health Effects.

**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.

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## 5. FIRE FIGHTING MEASURES

	IB
<b>Flash Pt:</b>	26.00 F Method Used: Pensky-Marten Closed Cup
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Autoignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	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.
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Fire Fighting Instructions:</b>	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.
<b>Flammable Properties and Hazards:</b>	Flammable Liquid and Vapor! Dangerous fire hazard when exposed to heat or flame. Vapors can flow along surfaces to distant ignition source and flash back.
<b>Hazardous Combustion Products:</b>	Carbon monoxide and carbon dioxide, hydrogen chloride, and trace amounts of phosgene, chlorine.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	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

<b>Precautions To Be Taken in Handling:</b>	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.

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**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

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	ACGIH TLV  OSHA PELs	TLV: 200 ppm STEL: 250 ppm  PEL: 200 ppm	
75-09-2	Dichloromethane {Methylene chloride; R-30; Freon 30}	ACGIH TLV  OSHA PELs	TLV: 50 ppm  PEL: 25 ppm STEL: 125 ppm (15 min)	
67-64-1	Acetone {2-Propanone}	ACGIH TLV  OSHA PELs	TLV: 500 ppm STEL: 750 ppm  PEL: 1000 ppm	
108-88-3	Toluene {Benzene, Methyl-; Toluol}	ACGIH TLV  OSHA PELs	TLV: 50 ppm  PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	

**Respiratory Equipment (Specify Type):** 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.  
Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.

**Engineering Controls (Ventilation etc.):** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate, such as basements, bathrooms or small enclosed areas. Whenever possible, use outdoors in an open air area. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across 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

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

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Unstable [ ]    Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	No data available.
<b>Incompatibility - Materials To Avoid:</b>	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.
<b>Hazardous Decomposition or Byproducts:</b>	Carbon monoxide, carbon dioxide, formaldehyde, hydrochloric acid and toxic gas phosgene.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ]    Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	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.

CAS# 75-09-2:

Tumorigenic Effects:, TLo, Inhalation, Rat, 3500. PPM, 6 Y.

Result:

Tumorigenic: Carcinogenic by RTECS criteria.

Endocrine: Tumors.

- Fundamental and Applied Toxicology., Academic Press, Inc., 1 E. First St., Duluth, MN 55802,  
Vol/p/yr: 4,30, 1984

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.

- Union Carbide Data Sheet, Union Carbide Corp., 39 Old Ridgebury Rd., Danbury, CT 06817,  
Vol/p/yr: 4/25, 1958

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.

- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415,  
Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS# 108-88-3:

Reproductive Effects:, TLo, 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.

- Prehled Prumyslove Toxikologie, Marhold, J., Organicke Latky, Prague Czechoslovakia, Vol/p/yr:  
-,29, 1986

**Carcinogenicity/Other  
Information:**

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 epidemiology studies, failed

# SAFETY DATA SHEET

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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.

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

## 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

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	No	Yes 5000 LB	Yes
75-09-2	Dichloromethane {Methylene chloride; R-30; Freon 30}	No	Yes 1000 LB	Yes
67-64-1	Acetone {2-Propanone}	No	Yes 5000 LB	No
108-88-3	Toluene {Benzene, Methyl-; Toluol}	No	Yes 1000 LB	Yes
143-18-0	Oleic acid potassium salt	No	No	No



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

**Regulatory 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.

**Additional Regulatory Information**

This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

## 16. OTHER INFORMATION

**Revision Date:**

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**Preparer Name:**

W.M. Barr EHS Dept (901)775-0100

**Additional Information About This Product:**

No data available.

**Company Policy or Disclaimer:**

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.