

# MATERIAL SAFETY DATA SHEET

## Klean-Strip Brush Cleaner / Paint Clean Up VOC Compliant

|                      |   |          |
|----------------------|---|----------|
| <b>HEALTH</b>        | * | <b>2</b> |
| <b>FLAMMABILITY</b>  |   | <b>3</b> |
| <b>PHYSICAL HAZ.</b> |   | <b>0</b> |
| <b>PPE</b>           |   | <b>X</b> |



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### 1. Product and Company Identification

**Product Code:** 17057D  
**Product Name:** Klean-Strip Brush Cleaner / Paint Clean Up VOC Compliant  
**Manufacturer Information**  
**Company Name:** W. M. Barr  
2105 Channel Avenue  
Memphis, TN 38113  
**Phone Number:** (901)775-0100  
**Emergency Contact:** 3E 24 Hour Emergency Contact (800)451-8346  
**Information:** W.M. Barr Customer Service (800)398-3892  
**Web site address:** www.wmbarr.com  
**Preparer Name:** W.M. Barr EHS Dept (901)775-0100  
**Intended Use:** Clean up of natural and synthetic paint brushes.  
**Synonyms**  
GBC12C, QBC12C, QPC94C

### 2. Hazards Identification

#### Emergency Overview

Danger! Extremely flammable. Vapor Harmful. Eye Irritant. Harmful if Swallowed.

Keep away from heat, sparks, flame and all other sources of ignition. Vapors may cause flash fire or ignite explosively. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition during use and until all vapors are gone. Beware of static electricity that may be generated by clothing and other sources.

Do not use in small enclosed spaces, such as basements and bathrooms.

#### OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

#### Health Hazards (Acute and Chronic)

##### Inhalation Exposure Effects:

Vapor harmful. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and loss of consciousness and even death). High vapor concentrations are irritating to the eyes, nose, throat, and lungs.

Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal.

##### Skin Contact Exposure Effects:

Moderately irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

##### Eye Contact Exposure Effects:

Contact with the eye may cause moderate to severe irritation.

##### Ingestion Acute Exposure Effects:

Product may be harmful or fatal if swallowed. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage. May produce central nervous system effects, which may include dizziness, loss of balance and

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coordination, unconsciousness, coma and even death.

**Chronic Exposure Effects:**

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis.

**Target Organs:** Central Nervous System, Respiratory System, Eye, Skin

**Primary Routes of Entry:** Inhalation, Ingestion

**Signs and Symptoms Of Exposure**

See Potential Health Effects.

**Medical Conditions Generally Aggravated By Exposure**

Diseases of the skin, eyes, and lung (asthma-like conditions).

**3. Composition/Information on Ingredients**

| <b>Hazardous Components (Chemical Name)</b> | <b>CAS #</b> | <b>Concentration</b> |
|---|--------------|----------------------|
| 1. Acetone {2-Propanone}                    | 67-64-1      | 60.0 -100.0 %        |
| 2. Butyl acetate {Acetic acid, Butyl ester} | 123-86-4     | 1.0 -5.0 %           |

**4. First Aid Measures**

**Emergency and First Aid Procedures**

**Inhalation:**

If user experiences breathing difficulty, move to air free of vapors, Administer oxygen or artificial medical assistance can be rendered.

**Skin Contact:**

Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.

**Eye Contact:**

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

**Ingestion:**

Do not induce vomiting. Call your local poison control center, hospital emergency room or physician immediately for instructions to induce vomiting.

**5. Fire Fighting Measures**

**Flammability Classification:**

NFPA Class IB

**Flash Pt:**

0 F (-17.8 C) Method Used: Setaflash Closed Cup (Rapid Setaflash)

**Explosive Limits:**

LEL: 1.7 % UEL: 13 %

**Autoignition Pt:**

470 C

**Special Fire Fighting Procedures**

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

**Unusual Fire and Explosion Hazards**

Extremely flammable. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by an ignition source, such as pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at location distant from the material handling point. Product residue can ignite explosively. Do not weld or cut on empty containers.

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**Hazardous Combustion Products**

Carbon monoxide and carbon dioxide, other various unburned hydrocarbons.

**Suitable Extinguishing Media**

Use carbon dioxide, dry powder, water spray, or alcohol resistant foam.

**Unsuitable Extinguishing Media**

None known.

## 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. 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 collection and reuse or for later disposal.

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

Keep out of drains, sewers, and bodies of water.

## 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.

**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

| Hazardous Components (Chemical Name)        | CAS #    | OSHA PEL      | ACGIH TWA                     | Other Limits |
|---|----------|---------------|-------------------------------|--------------|
| 1. Acetone {2-Propanone}                    | 67-64-1  | PEL: 1000 ppm | TLV: 500 ppm<br>STEL: 750 ppm | No data.     |
| 2. Butyl acetate {Acetic acid, Butyl ester} | 123-86-4 | PEL: 150 ppm  | TLV: 150 ppm<br>STEL: 200 ppm | No data.     |

**Respiratory Equipment (Specify Type)**

For OSHA controlled work place and other regular users. Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV.

For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provide protection against vapors.

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**Eye Protection**

Safety glasses, goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury.

**Protective Gloves**

Wear gloves with as much resistance to the chemical ingredients as possible. Glove materials such as natural rubber and neoprene 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**

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.

**Ventilation**

Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with 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.

**Work/Hygienic/Maintenance Practices**

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.

Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower.

**9. Physical and Chemical Properties**

|   |                  |   |           |
|---|------------------|---|-----------|
| <b>Physical States:</b>                       | [ ] Gas          | [ X ] Liquid  | [ ] Solid |
| <b>Melting Point:</b>                         | No data.         |   |           |
| <b>Boiling Point:</b>                         | 130 F (55.0 C)   |   |           |
| <b>Autoignition Pt:</b>                       | 470 C            |   |           |
| <b>Flash Pt:</b>                              | 0 F (-17.8 C)    | Method Used: Setaflash Closed Cup (Rapid Setaflash) |           |
| <b>Explosive Limits:</b>                      | LEL: 1.7 %       | UEL: 13 %   |           |
| <b>Specific Gravity (Water = 1):</b>          | 0.792            |   |           |
| <b>Density:</b>                               | 6.592 LB/GL      |   |           |
| <b>Bulk density:</b>                          | No data.         |   |           |
| <b>Vapor Pressure (vs. Air or mm Hg):</b>     | 231 MM HG        |   |           |
| <b>Vapor Density (vs. Air = 1):</b>           | > 1              |   |           |
| <b>Evaporation Rate (vs Butyl Acetate=1):</b> | > 1              |   |           |
| <b>Solubility in Water:</b>                   | Complete         |   |           |
| <b>Percent Volatile:</b>                      | 100 % by weight. |   |           |
| <b>VOC / Volume:</b>                          | 24 G/L           |   |           |
| <b>Heat Value:</b>                            | No data.         |   |           |
| <b>Particle Size:</b>                         | No data.         |   |           |
| <b>Corrosion Rate:</b>                        | No data.         |   |           |
| <b>pH:</b>                                    | No data.         |   |           |

**Appearance and Odor**

Water White / Free and Clear

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## 10. Stability and Reactivity

**Stability:** Unstable [  ] Stable [  ]

**Conditions To Avoid - Instability**

No data available.

**Incompatibility - Materials To Avoid**

Strong oxidizing agents.

2-Propanone may form explosive mixtures with chromic anhydride, chromyl alcohol, hexachloromelamine, hydrogen peroxide, permonosulfuric acid, potassium tertbutoxide, and thioglycol.

**Hazardous Decomposition Or Byproducts**

Decomposition may produce carbon monoxide, carbon dioxide, and unidentified organic compounds in black smoke.

**Possibility of Hazardous Reactions:** Will occur [  ] Will not occur [  ]

**Conditions To Avoid - Hazardous Reactions**

No data available.

## 11. Toxicological Information

This product has not been tested as a whole. Information below will be for individual ingredients.

Acute Toxicity:

2-Propanone:

LD50 Rat oral 5800 mg/kg bw

LC50 Rat inhalation exposure 76 mg/L/4 hr

LD50 Rabbit dermal 20 mg/kg bw

Butyl Acetate:

Irritant dose guinea pig ocular 3300 ppm/13 hr

LD50 Rat oral 14.0 g/kg /From table/

LD50 Rat oral 14.13 g/kg

LC50 Wistar rats inhalation 160 ppm/4hr

Skin Corrosion/Irritation: See Section 2. Hazards

Serious Eye Damage/Irritation: See Section 2. Hazards

Respiratory or Skin Sensitization: No data available.

Aspiration Hazard: This material is an aspiration hazard.

**Chronic Toxicological Effects**

This product has not been tested as a whole. Information below will be for individual ingredients.

Germ Cell Mutagenicity: No data available.

Reproductive Toxicity: No data available.

STOT-Single Exposure: No data available.

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STOT-Repeated Exposure: No data available.

**Carcinogenicity/Other Information**

ACGIH A4 - Not Classifiable as a Human Carcinogen

| Hazardous Components (Chemical Name)        | CAS #    | NTP  | IARC | ACGIH | OSHA |
|---|----------|------|------|-------|------|
| 1. Acetone {2-Propanone}                    | 67-64-1  | n.a. | n.a. | A4    | n.a. |
| 2. Butyl acetate {Acetic acid, Butyl ester} | 123-86-4 | n.a. | n.a. | n.a.  | n.a. |

**12. Ecological Information**

No information available for this product as a whole. Information below will be for individual ingredients:

**Toxicity:**

2-Propanone: LC50 Pimephales promelas (Fathead minnow, age 33 days, length 22.6 mm, weight 0.159 g) 8,120 mg/L/96 h (95% confidence limit: 7,530-8,760 mg/L); flow through, 25.0 deg C, dissolved oxygen 6.7 mg/L, hardness 48.5 mg/L CaCO<sub>3</sub>, alkalinity 45.8 mg/L CaCO<sub>3</sub>, pH 7.58 /99% pure/

Butyl Acetate: EC50 Pimephales promelas (fathead minnow) 18 mg/l/96 hr (confidence limit 17-19 mg/l).  
Affected fish lost equilibrium prior to death.

TLm Scenedesmus 320 ppm/96 hr at 24 deg C

TLm Daphnia 44 ppm/48 hr at 23 deg C

LC50 Lepomis macrochirus (Bluegill) 100 ppm/96 hr at 23 deg C (static bioassay in fresh water, mild aeration applied after 24 hr)

LC50 Menidia beryllina (Island silverside) 185 ppm/96 hr at 23 deg C (static bioassay in synthetic seawater, mild aeration applied after 24 hr)

**Persistence and Degradability:**

2-Propanone: Based on a vapor pressure of 231 mm Hg at 25 deg C, 2-propanone is expected to exist solely as a vapor in the ambient atmosphere. Vapor-phase 2-propanone is degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals with an estimated atmospheric half-life of about 79 days.

2-Propanone also undergoes photodecomposition by sunlight with an estimated half-life of about 80 days.

Butyl Acetate is expected to biodegrade in both soils and aquatic environments

**Bioaccumulative Potential:**

2-Propanone: Volatilization from moist soil surfaces is also expected based upon the measured Henry's Law constant of 3.97X10<sup>-5</sup> atm-cu m/mol. This compound is expected to biodegrade under aerobic and anaerobic conditions based upon the results of numerous screening tests. If released into water, 2-propanone is not expected to adsorb to suspended solids or sediment based upon its estimated Koc value.

Butyl Acetate bioconcentration potential is expected to be low.

**Mobility in Soil:**

2-Propanone is expected to have very high mobility in soils.

Butyl Acetate is expected to have moderate mobility in soils.

Other Adverse Effects: No data available.

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### 13. Disposal Considerations

**Waste Disposal Method**

Dispose of in accordance with all applicable local, state, and federal regulations.

Keep out of sewers and bodies of water.

### 14. Transport Information

**LAND TRANSPORT (US DOT)**

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

**LAND TRANSPORT (Canadian TDG)**

**UN Number:** 1263  
**Packing Group:** II

**Additional Transport Information**

For D.O.T. information, contact W.M. Barr Technical Services at 1-800-398-3892.

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

### 15. Regulatory Information

**Canadian Chemical Lists**

| Hazardous Components (Chemical Name)        | CAS #    | Canadian NPRI | Canadian IDL |
|---|----------|---------------|--------------|
| 1. Acetone {2-Propanone}                    | 67-64-1  | No            | Yes          |
| 2. Butyl acetate {Acetic acid, Butyl ester} | 123-86-4 | Yes           | Yes          |

**Canadian WHMIS Classification**

No data available.

**US EPA SARA Title III**

| Hazardous Components (Chemical Name)        | CAS #    | Sec.302 (EHS) | Sec.304 RQ  | Sec.313 (TRI) | Sec.110 |
|---|----------|---------------|-------------|---------------|---------|
| 1. Acetone {2-Propanone}                    | 67-64-1  | No            | Yes 5000 LB | No            | Yes     |
| 2. Butyl acetate {Acetic acid, Butyl ester} | 123-86-4 | No            | Yes 5000 LB | No            | No      |

**US EPA CAA, CWA, TSCA**

| Hazardous Components (Chemical Name)        | CAS #    | EPA CAA     | EPA CWA NPDES | EPA TSCA  | CA PROP 65 |
|---|----------|-------------|---------------|-----------|------------|
| 1. Acetone {2-Propanone}                    | 67-64-1  | HAP, ODC () | No            | Inventory | No         |
| 2. Butyl acetate {Acetic acid, Butyl ester} | 123-86-4 | HAP, ODC () | Yes           | Inventory | No         |

**EPA Hazard Categories:**

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

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

**Regulatory Information**

This product has been classified according to the hazard criteria of the Controlled Products Regulations.

Concentrations reported in section 2 are weight/weight.

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Ingredients disclosed in section 2 are on Canadian DSL.

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2-Propanone WHMIS Classification: B2, D2B

WHMIS Health Effects Criteria Met by this Chemical:

D2B - Eye irritation - toxic - other

WHMIS Ingredient Disclosure List: Included for disclosure at 1% or greater.

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n-Butyl acetate CAS # 123-86-4

WHMIS Classification:

B2 - Flammable and combustible material - Flammable liquid

D2B - Poisonous and infectious material - Other effects - Toxic

WHMIS Health Effects Criteria Met by this Chemical: D2B - Eye irritation - toxic - other

WHMIS Ingredient Disclosure List: Included for disclosure at 1% or greater.

## 16. Other Information

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.

### **Company Policy or Disclaimer**

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