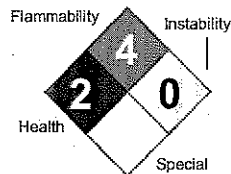


# MATERIAL SAFETY DATA SHEET

## Bulldog Sealer & Adhesion Promoter



Printed: 05/14/2008  
 Revision: 04/24/2008  
 Supersedes Revision: 02/28/2008  
 Date Created: 02/01/2007

### 1. Product and Company Identification

**Product Code:** 5010  
**Product Name:** Bulldog Sealer & Adhesion Promoter  
**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 Department (901)775-0100

**Synonyms**

GBDS12326, QBDS12327, P BDS12329

### 2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA TWA	ACGIH TWA	Other Limits
1. tert-Butyl acetate {Acetic acid, tert-butyl ester}	540-88-5	Proprietary	200 ppm	200 ppm	No data.
2. Styrene {Phenylethylene; Vinyl benzene; Styrol}	100-42-5	Proprietary	100 ppm	20 ppm	No data.
3. Toluene {Benzene, Methyl-; Toluol}	108-88-3	Proprietary	200 ppm	50 ppm	No data.
4. m-Xylene {Benzene, m-Dimethyl-}	108-38-3	Proprietary	No data.	100 ppm	No data.
5. Ethylbenzene {Ethylbenzol; Phenylethane}	100-41-4	Proprietary	100 ppm	100 ppm	No data.
6. o-Xylene {Benzene, o-Dimethyl-}	95-47-6	Proprietary	No data.	100 ppm	No data.
7. p-Xylene {Benzene, p-Dimethyl-}	106-42-3	Proprietary	No data.	100 ppm	No data.
8. 4-Chlorobenzotrifluoride {4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluen e}	98-56-6	Proprietary	No data.	No data.	No data.
9. Methyl acetate (Methyl ester of acetic acid)	79-20-9	Proprietary	200 ppm	200 ppm	No data.
10. 2-Heptanone {Methyl pentyl ketone; n-Amyl methyl ketone}	110-43-0	Proprietary	100 ppm	50 ppm	No data.
11. Acetone	67-64-1	Proprietary	1000 ppm	500 ppm	No data.
12. Stoddard solvent {Vamoline; Varsol; White spirits}	8052-41-3	Proprietary	500 ppm	100 ppm	No data.
13. Divinyl benzene (Benzene, Diethenyl-)	1321-74-0	Proprietary	No data.	10 ppm	No data.
14. Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	111-76-2	Proprietary	50 ppm	20 ppm	No data.

Hazardous Components (Chemical Name)	CAS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
1. tert-Butyl acetate {Acetic acid, tert-butyl ester}	540-88-5	No data.	No data.	No data.	No data.
2. Styrene {Phenylethylene; Vinyl benzene; Styrol}	100-42-5	600 ppm/(5min/3hr)	200 ppm	40 ppm	No data.
3. Toluene {Benzene, Methyl-; Toluol}	108-88-3	500 ppm/(10min)	300 ppm	No data.	No data.
4. m-Xylene {Benzene, m-Dimethyl-}	108-38-3	No data.	No data.	150 ppm	No data.
5. Ethylbenzene {Ethylbenzol; Phenylethane}	100-41-4	No data.	No data.	125 ppm	No data.

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Hazardous Components (Chemical Name)	CAS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
6. o-Xylene {Benzene, o-Dimethyl-}	95-47-6	No data.	No data.	150 ppm	No data.
7. p-Xylene {Benzene, p-Dimethyl-}	106-42-3	No data.	No data.	150 ppm	No data.
8. 4-Chlorobenzotrifluoride {4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluen e}	98-56-6	No data.	No data.	No data.	No data.
9. Methyl acetate (Methyl ester of acetic acid)	79-20-9	No data.	No data.	250 ppm	No data.
10. 2-Heptanone {Methyl pentyl ketone; n-Amyl methyl ketone}	110-43-0	No data.	No data.	No data.	No data.
11. Acetone	67-64-1	No data.	No data.	750 ppm	No data.
12. Stoddard solvent {Varnoline; Varsol; White spirits}	8052-41-3	No data.	No data.	No data.	No data.
13. Divinyl benzene (Benzene, Diethenyl-)	1321-74-0	No data.	No data.	No data.	No data.
14. Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	111-76-2	No data.	No data.	No data.	No data.

### 3. Hazards Identification

#### Emergency Overview

No data available.

#### OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

#### Potential Health Effects (Acute and Chronic)

##### Skin Contact:

Harmful is absorbed through the skin. Contact with the skin may cause mild to moderate skin irritation, defatting and drying of the skin, and allergic dermatitis. Symptoms may include redness, swelling, and burning of the skin.

##### Eye Contact:

This material is an eye irritant. May cause irritation, stinging, tearing, redness, swelling, pain and blurred vision.

##### Inhalation:

Vapors can be harmful if inhaled. Effects from exposure may include headaches, dizziness, fatigue, and nausea. High concentrations may result in central nervous system depression, irritation to the respiratory tract, and pulmonary edema.

##### Ingestion:

Harmful or fatal if swallowed. Effects from exposure through ingestion may include gastrointestinal disturbances, pain, discomfort, gastrointestinal irritation, nausea, vomiting, diarrhea, irritation to the mouth, throat, and stomach. Other effects may produce central nervous system effects, such as dizziness, loss of balance and coordination, unconsciousness, coma, and even death. Pulmonary aspiration hazard.

Chronic Effects: Prolonged or repeated overexposure may cause central nervous system, kidney, liver, and lung damage.

#### Signs and Symptoms Of Exposure

See Health Hazards.

#### Medical Conditions Generally Aggravated By Exposure

Skin, eye, liver, kidney, nervous system, respiratory, lung (asthma-like conditions).

## 4. First Aid Measures

### Emergency and First Aid Procedures

#### Skin:

Remove contaminated clothing. Wash skin thoroughly with large amounts of water and mild soap, if available. Seek medical attention if irritation develops or persists.

#### Eyes:

Immediately flush eyes with water for at least 15 minutes. Seek medical attention.

#### Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

#### Ingestion:

If swallowed, do NOT induce vomiting. Seek immediate medical attention. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

### Note to Physician

Treat symptomatically. Treatment of overexposure should be directed at the control of the symptoms and the clinical condition of the patient.

## 5. Fire Fighting Measures

### Flammability Classification:

IB

### Flash Pt:

45.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)

### Explosive Limits:

LEL: No data.

UEL: No data.

### Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear. Containers exposed to heat may pressurize. Stay away from the heads of exposed containers. Use water spray to cool fire exposed containers. Vapors are heavier than air.

### Flammable Properties and Hazards

Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flashpoint.

### Hazardous Combustion Products

May form: carbon dioxide and carbon monoxide, various hydrocarbons, and irritating or toxic vapors

### Extinguishing Media

Use alcohol foam, carbon dioxide, or dry chemical powder.

### Unsuitable Extinguishing Media

Do not use a solid water stream, as this may spread the fire.

## 6. Accidental Release Measures

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

Clean up spills immediately, observing precautions in Protective Equipment section.

Isolate the hazard area and deny entry. Keep unnecessary people away. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources, keep ignition sources out of the hazard area.

Small spills: Absorb the liquid with inert material, such as sand, earth, or other noncombustible material and place into a compatible container for disposal.

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

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Do not flush to sewer. Avoid runoff into storm sewers and ditches which lead to waterways.

### 7. Handling and Storage

#### Precautions To Be Taken in Handling

"Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

Keep away from sources of ignition. Ground and bond containers when transferring material.

#### Precautions To Be Taken in Storing

Keep container closed when not in use. Do not store in direct sunlight. Store in a tightly closed container. Store in cool, dry area.

### 8. Exposure Controls/Personal Protection

#### Respiratory Equipment (Specify Type)

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

A dust mask does not provide protection against vapors.

#### Eye Protection

Safety glasses, with sideshields, chemical goggles or faceshields are recommended to safeguard against potential eye contact.

#### Protective Gloves

Wear impermeable gloves.

#### Other Protective Clothing

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

#### Engineering Controls (Ventilation etc.)

Use only with adequate ventilation to prevent the buildup of vapors. Do not use in areas where vapors can accumulate and concentrate. 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 away from the individual. If strong odor is noticed or you experience slight dizziness, headache, nausea, or other signs of inhalation exposure, STOP. The ventilation is inadequate. Leave the area immediately.

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

#### Work/Hygienic/Maintenance Practices

A source of clean water should be available in the work area when handling this product. 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.

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### 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [X] Liquid [ ] Solid  
**Melting Point:** No data.  
**Boiling Point:** 200.00 F  
**Autoignition Pt:** No data.  
**Flash Pt:** 45.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)  
**Explosive Limits:** LEL: No data. UEL: No data.  
**Specific Gravity (Water = 1):** 0.945 - 0.970  
**Density:** 7.971 LB/GL  
**Vapor Pressure (vs. Air or mm Hg):** 9.5 MM HG at 20.0 C  
**Vapor Density (vs. Air = 1):** > 1  
**Evaporation Rate (vs Butyl Acetate=1):** > 1  
**Solubility in Water:** No data.  
**Solubility Notes**  
Slightly soluble in water.  
**Percent Volatile:** No data.  
**VOC / Volume:** 492.0000 G/L  
**Corrosion Rate:** No data.  
**pH:** No data.  
**Appearance and Odor**  
Liquid, cloudy, light yellow.

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [X]  
**Conditions To Avoid - Instability**  
No data available.  
**Incompatibility - Materials To Avoid**  
Strong oxidizing agents, alkalis, acids, nitrates, metal salts and polymerization catalysts.  
**Hazardous Decomposition Or Byproducts**  
Carbon monoxide, carbon dioxide, and various hydrocarbons and toxic vapors.  
**Hazardous Polymerization:** Will occur [ ] Will not occur [X]  
**Conditions To Avoid - Hazardous Polymerization**  
No data available.

### 11. Toxicological Information

No data available.  
**Carcinogenicity/Other Information**  
No ingredients in this product are classified as Known Human Carcinogens as defined by NTP, IARC, or OSHA. Some ingredients may be listed by these agencies as possible human carcinogens.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. tert-Butyl acetate {Acetic acid, tert-butyl ester}	540-88-5	n.a.	n.a.	n.a.	n.a.
2. Styrene {Phenylethylene; Vinyl benzene; Styrol}	100-42-5	No	2B	A4	No
3. Toluene {Benzene, Methyl-; Toluol}	108-88-3	No	3	A4	No
4. m-Xylene {Benzene, m-Dimethyl-}	108-38-3	n.a.	n.a.	A4	n.a.

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Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
5. Ethylbenzene {Ethylbenzol; Phenylethane}	100-41-4	No	2B	A3	No
6. o-Xylene {Benzene, o-Dimethyl-}	95-47-6	n.a.	n.a.	A4	n.a.
7. p-Xylene {Benzene, p-Dimethyl-}	106-42-3	n.a.	n.a.	A4	n.a.
8. 4-Chlorobenzotrifluoride {4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene}	98-56-6	n.a.	n.a.	n.a.	n.a.
9. Methyl acetate {Methyl ester of acetic acid}	79-20-9	n.a.	n.a.	n.a.	n.a.
10. 2-Heptanone {Methyl pentyl ketone; n-Amyl methyl ketone}	110-43-0	n.a.	n.a.	n.a.	n.a.
11. Acetone	67-64-1	n.a.	n.a.	A4	n.a.
12. Stoddard solvent {Varnoline; Varsol; White spirits}	8052-41-3	n.a.	n.a.	n.a.	n.a.
13. Divinyl benzene (Benzene, Diethenyl-)	1321-74-0	n.a.	n.a.	n.a.	n.a.
14. Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	111-76-2	Possible	2B	A3	No

### 12. Ecological Information

No data available.

### 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** No data available.

#### Additional Transport Information

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

### 15. Regulatory Information

#### US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. tert-Butyl acetate {Acetic acid, tert-butyl ester}	540-88-5	No	Yes 5000 LB	No	No
2. Styrene {Phenylethylene; Vinyl benzene; Styrol}	100-42-5	No	Yes 1000 LB	Yes	Yes
3. Toluene {Benzene, Methyl-; Toluol}	108-88-3	No	Yes 1000 LB	Yes	Yes
4. m-Xylene {Benzene, m-Dimethyl-}	108-38-3	No	Yes 1000 LB	Yes	No
5. Ethylbenzene {Ethylbenzol; Phenylethane}	100-41-4	No	Yes 1000 LB	Yes	Yes
6. o-Xylene {Benzene, o-Dimethyl-}	95-47-6	No	Yes 1000 LB	Yes	No
7. p-Xylene {Benzene, p-Dimethyl-}	106-42-3	No	Yes 100 LB	Yes	Yes
8. 4-Chlorobenzotrifluoride {4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene}	98-56-6	No	No	No	No
9. Methyl acetate {Methyl ester of acetic acid}	79-20-9	No	No	No	No
10. 2-Heptanone {Methyl pentyl ketone; n-Amyl methyl ketone}	110-43-0	No	No	No	No
11. Acetone	67-64-1	No	Yes 5000 LB	No	Yes
12. Stoddard solvent {Varnoline; Varsol; White spirits}	8052-41-3	No	No	No	No
13. Divinyl benzene (Benzene, Diethenyl-)	1321-74-0	No	No	No	No
14. Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	111-76-2	No	No	Yes-Cat. N230	No

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**SARA (Superfund Amendments and  
Reauthorization Act of 1986) Lists:**

- Sec.302:** EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. \* indicates 10000 LB TPQ if not volatile.
- Sec.304:** EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. \*\* indicates statutory RQ.
- Sec.313:** EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.
- Sec.110:** EPA SARA 110 Superfund Site Priority Contaminant List

**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

**16. Other Information**

**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.