Page: 1



Printed: 12/08/2009 Revision: 11/19/2009 Supercedes Revision: 05/14/2009 Date Created: 02/02/2009

1. Product and Company Identification

Product Code:

5011.1D

Product Name:

BULLDOG VOC COMPLIANT ADH PROM

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

Intended Use:

Paint adhesion and sealing.

Synonyms

GTP0125, QTP0125

2. Hazards Identification

Emergency Overview

Warning. Flammable. Harmful if swallowed. May cause eye irritation. May cause skin irritation.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

Health Hazards (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.

Reports have associated repeated and prolonged overexposure to solvents with neurological and other

Page: 2 Printed: 12/08/2009 Revision: 11/19/2009

Supercedes Revision: 05/14/2009

physiological damage. Intentional misuse by deliberately concentrating and inhaling solvents may be harmful or

Signs and Symptoms Of Exposure

See Health Hazards.

Medical Conditions Generally Aggravated By Exposure

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

3. Composition/Information on Ingredients

Ha	zardous Components (Chemical Name)	CAS#	Concentration
1.	tert-Butyl acetate {Acetic acid, tert-butyl ester}	540-88-5	40.0 -70.0 %
2.	Styrene {Phenylethylene; Vinyl benzine;	100-42-5	1.0 -5.0 %
	Styrol}		
3.	Toluene {Benzene, Methyl-; Toluol}	108-88-3	3.0 -7.0 %
4.	m-Xylene {Benzene, m-Dimethyl-}	108-38-3	5.0 -10.0 %
5.	Ethylbenzene {Ethylbenzol; Phenylethane}	100-41-4	1.0 -5.0 %
6.	o-Xylene {Benzene, o-Dimethyl-}	95-47-6	1.0 -5.0 %
7.	p-Xylene {Benzene, p-Dimethyl-}	106-42-3	1.0 -5.0 %
8.	Divinyl benzene (Benzene, Diethenyl-)	1321-74-0	1.0 -5.0 %
9.	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl	111-76-2	1.0 -4.0 %
	ether, (a glycol ether)}		

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:

OSHA Class IB

Flash Pt:

38.00 F (3.3 C) Method Used: Pensky-Marten Closed Cup

Explosive Limits:

LEL: No data.

UEL: No data.

Special Fire Fighting Procedures

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.

Page: 3 Printed: 12/08/2009 Revision: 11/19/2009

Supercedes Revision: 05/14/2009

Unusual Fire and Explosion 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 Suitable 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.

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. No smoking when handling this material.

Use in well ventilated areas.

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.

Do not store in at temperatures above 49 C / 120 F. Keep away from sources of ignition.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)		CAS#	OSHA TWA	ACGIH TWA	Other Limits
1.	tert-Butyl acetate {Acetic acid, tert-butyl ester}	540-88-5	PEL: 200 ppm	TLV: 200 ppm	No data.
2.	Styrene {Phenylethylene; Vinyl benzine;	100-42-5	PEL: 100 ppm	TLV: 20 ppm	No data.
	Styrol}		STEL: 600 ppm/(5min/3hr)	STEL: 40 ppm	
			CEIL: 200 ppm		

Printed: 12/08/2009 Revision: 11/19/2009

Supercedes Revision: 05/14/2009

Hazardous Components (Chemical Name)	CAS#	OSHA TWA	ACGIH TWA	Other Limits
Toluene {Benzene, Methyl-; Toluol}	108-88-3	PEL: 200 ppm	TLV: 50 ppm	No data.
		STEL: 500 ppm/(10min)		
		CEIL: 300 ppm		
m-Xylene {Benzene, m-Dimethyl-}	108-38-3	No data.	TLV: 100 ppm	No data.
			STEL: 150 ppm	
Ethylbenzene {Ethylbenzol; Phenylethane}	100-41-4	PEL: 100 ppm	TLV: 100 ppm	No data.
			STEL: 125 ppm	
o-Xylene {Benzene, o-Dimethyl-}	95-47-6	No data.	TLV: 100 ppm	No data.
			STEL: 150 ppm	
7. p-Xylene {Benzene, p-Dimethyl-}	106-42-3	No data.	TLV: 100 ppm	No data.
			STEL: 150 ppm	
8. Divinyl benzene (Benzene, Diethenyl-)	1321-74-0	No data.	TLV: 10 ppm	No data.
9. Ethanol, 2-Butoxy- {Ethylene glycol n-butyl	111-76-2	PEL: 50 ppm	TLV: 20 ppm	No data.
ether, (a glycol ether)}				

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

Chemical goggles or face shields are recommended when splashing or spraying of chemical is possible. A faceshield provides more protection to help reduce chemical contact to the face and eyes.

Protective Gloves

Wear gloves with as much resistance to the chemical ingredients as possible. Laminate film gloves offer the best protection. Other glove materials such as nitrile may provide protection. Glove selection should be based on chemicals being used and conditions of use. Consult your glove supplier for additional information.

Other Protective Clothing

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

Ventilation

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.

9.	Physical	and	Chemical	Properties
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Physical States:	[] Gas	[X] Liquid	[] Solid
Melting Point:	< 0.00 F (-1	17.8 C)		

Page: 5 Printed: 12/08/2009 Revision: 11/19/2009

Supercedes Revision: 05/14/2009

Boiling Point: 208.00 F (97.8 C)

Autoignition Pt: No data.

Flash Pt: 38.00 F (3.3 C) Method Used: Pensky-Marten Closed Cup

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): 0.915

Density: 7.7 LB/GL

Bulk density: No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): > 1

Vapor Density (vs. Air = 1): > 1 Evaporation Rate (vs Butyl > 1

Acetate=1):

Solubility in Water: Slight

Solubility Notes

Very slightly soluble in water.

Percent Volatile: ~ 80 % by weight.

VOC / Volume: 540.0000 G/L

Heat Value: No data.

Particle Size: No data.

Particle Size: No data.

Corrosion Rate: No data.

pH: No data.

Appearance and Odor

Liquid, clear to cloudy/hazy.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

Strong oxidizing agents, alkalies, acids, nitrates, metal salts and polymerization catalysts.

Hazardous Decomposition Or Byproducts

Carbon monoxide, carbon dioxide, oxides of nitrogen, and various hydrocarbons and toxic vapors.

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

Conditions To Avoid - Hazardous Reactions

No data available.

11. Toxicological Information

Product has not been tested as a whole.

EFFECTS OF ACUTE EXPOSURE

Component Analysis Ingredient LD50 (oral) LC50 Xylene 3523 mg/kg, rat 5000 ppm 4 hrs, rat

Ethylene glycol monobutyl ether 470 mg/kg, rat 450 ppm 4 hrs, rat

Tert-butyl acetate 4100 mg/kg, rat > 2230 mg/m3 4hr, rat Styrene 2650 mg/kg, rat 12000 mg/m³, rat Toluene 636 mg/kg, rat 8000 mg/m³, rat

Divinylbenzene Not Available Not Available

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess

blinking and tear production, with marked redness and swelling of the

conjunctiva.

Page: 6 Printed: 12/08/2009 Revision: 11/19/2009

Supercedes Revision: 05/14/2009

Skin: May cause skin irritation. May cause sensitisation by skin contact. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Ingestion: May cause stomach distress, nausea or vomiting. Harmful: may cause lung damage if swallowed.

Inhalation: May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis. Vapours may cause drowsiness and dizziness.

Chronic Toxicological Effects

Mutagenicity: Hazardous by WHMIS criteria.

Reproductive Effects: Not hazardous by WHMIS criteria.

Teratogenicity: Hazardous by WHMIS criteria.

Embryotoxicity: Hazardous by WHMIS criteria.

Respiratory Sensitization: Not hazardous by WHMIS criteria.

Skin Sensitization: Hazardous by WHMIS criteria.

Toxicologically Synergistic Materials: Not 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.

Ha	zardous 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 benzine; 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.
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.	Divinyl benzene (Benzene, Diethenyl-)	1321-74-0	n.a.	n.a.	n.a.	n.a.
9.	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	111-76-2	Possible	2B	A3	No

12. Ecological Information

Product has not been tested as a whole.

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Printed: 12/08/2009 Revision: 11/19/2009

Supercedes Revision: 05/14/2009

Mobility in Environment: Not 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

UN1263, PAINT RELATED MATERIAL, 3, PGII, LTD. QTY.

LAND TRANSPORT (Canadian TDG)

Additional Transport Information

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

The 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.

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

15. Regulatory Information

Canadian Chemical Lists

Ha	zardous Components (Chemical Name)	CAS#	Canadian NPRI	Canadian IDL
1.	tert-Butyl acetate {Acetic acid, tert-butyl ester}	540-88-5		Yes
2.	Styrene {Phenylethylene; Vinyl benzine; Styrol}	100-42-5	Yes	Yes
3.	Toluene {Benzene, Methyl-; Toluol}	108-88-3	Yes	Yes
4.	m-Xylene {Benzene, m-Dimethyl-}	108-38-3	Yes	Yes
5.	Ethylbenzene {Ethylbenzol; Phenylethane}	100-41-4	Yes	Yes
6.	o-Xylene {Benzene, o-Dimethyl-}	95-47-6	Yes	Yes
7.	p-Xylene {Benzene, p-Dimethyl-}	106-42-3	Yes	Yes
8.	Divinyl benzene (Benzene, Diethenyl-)	1321-74-0		
9.	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	111-76-2	Yes	Yes

Canadian WHMIS Classification

CLASS B, DIVISION 2: Flammable Liquids

CLASS D, DIVISION 2, SUBDIVISION A: Very Toxic Materials (carcinogens, reproductive toxicity, etc.)

CLASS D, DIVISION 2, SUBDIVISION B: Toxic Materials (Mutagenicity, skin sensitization, irritation, etc.)

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	
2.	Styrene {Phenylethylene; Vinyl benzine;	100-42-5	No	Yes 1000 LB	Yes	Yes
	Styrol}					

Printed: 12/08/2009 Revision: 11/19/2009

Page: 8

Supercedes Revision: 05/14/2009

					Supercedes Revision	on: 05/14/2009
Ha	azardous Components (Chemical Name)	CAS#	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
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	Yes
7.	p-Xylene {Benzene, p-Dimethyl-}	106-42-3	No	Yes 100 LB	Yes	Yes
8.	Divinyl benzene (Benzene, Diethenyl-)	1321-74-0	No	No	No	
9.	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl	111-76-2	No	No	Yes-Cat. N230	
	ether, (a glycol ether)}	•				
U	S EPA CAA, CWA, TSCA					
Ha	zardous Components (Chemical Name)	CAS#	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
1.	tert-Butyl acetate {Acetic acid, tert-butyl ester}	540-88-5	No		Inventory, 8A PAIR, 8D	
2.	Styrene {Phenylethylene; Vinyl benzine; Styrol}	100-42-5	HAP	Yes	Inventory, 8A PAIR	
3.	Toluene {Benzene, Methyl-; Toluol}	108-88-3	HAP	Yes	inventory, 8A CAIR, 8A PAIR	Yes
4.	m-Xylene {Benzene, m-Dimethyl-}	108-38-3	HAP		Inventory, 8A PAIR	
5.	Ethylbenzene {Ethylbenzol; Phenylethane}	100-41-4	HAP	Yes	Inventory, 8A PAIR	No
6.	o-Xylene {Benzene, o-Dimethyl-}	95-47 - 6	HAP		Inventory, 8A PAIR	
7.	p-Xylene {Benzene, p-Dimethyl-}	106-42-3	HAP		Inventory, 8A PAIR,	
					8D	
8.	Divinyl benzene (Benzene, Diethenyl-)	1321-74-0	No		Inventory	
9.	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	111-76-2	No		inventory, 8A PAIR, 8D	

Canadian Regulatory Lists:

Canadian NPRI:

Canadian National Pollutant Release Inventory

Canadian IDL:

Canadian Ingredient Disclosure List

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

TSCA (Toxic Substances Control

Act) Lists:

Inventory:

Chemical Listed in the TSCA Inventory.

5A(2):

Chemical Subject to Significant New Rules (SNURS)

6A:

Commercial Chemical Control Rules

8A:

Toxic Substances Subject To Information Rules on Production

8A CAIR:

Comprehensive Assessment Information Rules - (CAIR)

8A PAIR:

Preliminary Assessment Information Rules - (PAIR)

8C: 8D: Records of Allegations of Significant Adverse Reactions

8D TERM:

Health and Safety Data Reporting Rules

40(L).

Health and Safety Data Reporting Rule Terminations

12(b):

Notice of Export

Other Important Lists:

Page: 9
Printed: 12/08/2009
Revision: 11/19/2009

Supercedes Revision: 05/14/2009

CWA NPDES:

EPA Clean Water Act NPDES Permit Chemical

CAA HAP:

EPA Clean Air Act Hazardous Air Pollutant

CAA ODC:

EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)

CA PROP 65:

California Proposition 65

International Regulatory Lists:

EPA Hazard Categories:

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

Regulatory Information

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Concentrations reported in section 2 are weight/weight.

Ingredients disclosed in section 2 are on Canadian DSL.

WHMIS Classifications:

Class B2 - Flammable Liquid

Class D2A - Carcinogencity, Teratogenicity, and Embrotoxicity

Class D2B - Mutagenicity, Skin Sensitization, Skin/Eye Irritant

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.