

# SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015



Date Prepared : 06/17/2015

MSDS No : APR-AD-1 PBE Shark Bite - Adhesion Promoter\_ENG

## APR-AD-1 PBE Shark Bite - Adhesion Promoter

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : APR-AD-1 PBE Shark Bite - Adhesion Promoter  
**Product Description:** Adhesion promoter, Vehicle Refinishing Product , Automotive Use Only, 3.78 L / 1 gal  
**General Use** : Adhesion promoter  
**Product Stock/Code** : APR-AD-1  
**Chemical Family** : Solvent-based / À base de solvant  
**Molecular Formula** : Mixture / Mélange

#### Manufacturer / Supplier

Vogel Automotive Coatings  
1020 Albany Place SE  
Orange City, IA 51041  
Phone: 712-737-4993  
Fax: 712-737-4997

#### Emergency Telephone Numbers (24 hour)

CHEMTREC : (800) 424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Skin Irritation, Category 2  
Target Organ Toxicity (Single exposure), Category 3  
Target Organ Toxicity (Repeated exposure), Category 2  
Reproductive Toxicity, Category 2  
Carcinogenicity, Category 2  
Aspiration Hazard, Category 1

##### Physical:

Flammable Liquids, Category 2

#### GHS LABEL

Hazardous components for labelling:

**Toluene, Xylene (mixed isomers) and Ethylbenzene**



Flame



Exclamation  
mark



Health  
hazard

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.

- H315: Causes skin irritation.
- H336: May cause drowsiness or dizziness.
- H373: May cause damage to organs (central nervous system) through prolonged or repeated exposure.
- H361: Suspected of damaging fertility or the unborn child.
- H351: Suspected of causing cancer.
- H304: May be fatal if swallowed and enters airways.

## **PRECAUTIONARY STATEMENT(S)**

### **Prevention:**

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P240: Ground and bond container and receiving equipment.
- P241: Use explosion-proof electrical / ventilating / lighting equipment.
- P242: Use non-sparking tools.
- P243: Take action to prevent static discharges.
- P264: Wash hands thoroughly after handling.
- P260: Do not breathe mist, vapours or spray.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves and eye protection.

### **Response:**

- P308+P313: IF exposed or concerned: Get medical advice/ attention.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P331: Do NOT induce vomiting.
- P370+P378: In case of fire: Use dry chemical or foam to extinguish.

### **Storage:**

- P403+P235: Store in a well-ventilated place. Keep cool.
- P233: Keep container tightly closed.
- P405: Store locked up.

### **Disposal:**

- P501: Dispose of contents/container in accordance with applicable local, regional and/or national regulations.

## **Emergency Overview**

### **Immediate Concerns:**

Flammable liquid and vapor. Aspiration Hazard - This material may be harmful or fatal if swallowed. Harmful if inhaled. Possible risk of harm to the unborn child. Moderately irritating to the skin. Vapours may cause drowsiness and dizziness.

### **Hazards Not Otherwise Classified:**

No data available.

### **Comments:** < 1 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

See sections 9 and 10 for more detailed information on physicochemical effects.

See section 11 for more detailed information on health effects.

See sections 12 for more detailed information on environmental effects.

This product is a consumer product and is labeled in accordance with the Canadian Consumer Chemicals and Containers Regulations and US Consumer Product Safety Commission regulations which take precedence over Canadian WHMIS 2015 and OSHA Hazcom 2012 Hazard Communication labeling. The actual container label will not include the above label elements. The labeling above applies to products used solely for industrial / professional use.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>Wt.%</b>	<b>CAS No.</b>
Toluene	92 - 96	108-88-3
Xylene (mixed isomers)	2 - 4	1330-20-7
Ethylbenzene	0.4 - 0.6	100-41-4

**Comments:** There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the product and hence require reporting in this section.

**4. FIRST AID MEASURES****Eye Contact:**

In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

**Skin Contact:**

Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing and wash before reuse.

**Ingestion:**

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Inhalation:**

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

**Signs and Symptoms of Overexposure****Eye Contact:**

Mildly irritating to the eyes. Symptoms may include tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

**Skin Contact:**

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

**Ingestion:**

Substance may be harmful if swallowed. If swallowed, may be aspirated and cause lung damage. May cause irritation. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

**Inhalation:**

High vapor or spray mist concentrations may be harmful if inhaled. May cause headaches and dizziness. High vapor concentrations may cause drowsiness.

**Notes to Physician:**

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

**Additional Information:**

No data available.

## **5. FIRE FIGHTING MEASURES**

### **Flammable Properties:**

Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Product can be ignited by static discharge.

### **Extinguishing Media:**

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

### **Hazardous Combustion Products:**

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

### **Fire Fighting Procedures:**

Containers can build up pressure if exposed to heat (fire).

### **Fire Fighting Equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

### **Sensitivity to Static Discharge:**

Product is sensitive to static discharge.

### **Sensitivity to Mechanical Impact:**

Product is not sensitive to mechanical impact.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Small Spill:**

Eliminate all ignition sources. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Sweep up material being careful not to raise dust. Place in an appropriate disposal container and seal tightly.

### **Environmental Precautions**

#### **Water Spill:**

Do not flush to sewer.

#### **Land Spill:**

Avoid runoff into storm sewers and ditches which lead to waterways.

### **Special Protective Equipment:**

Clean up spills immediately, observing precautions in Protective Equipment section 8.

## **7. HANDLING AND STORAGE**

### **General Procedures:**

Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids. Ensure thorough ventilation of stores and work areas.

### **Handling:**

Do not use in the presence of open flame or spark. Use only in a well ventilated area. Wear recommended personal protective equipment. Keep container closed when not in use. Avoid breathing vapours or mist. Avoid contact with eyes, skin, and clothing. After handling, always wash hands thoroughly with soap and water.

### **Storage:**

Store away from heat, sparks, open flames, strong oxidizing agents and direct sunlight. Protect from physical damage. Keep container tightly closed and in a well-ventilated place. Store in a cool place.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		Occupational Exposure Limits					
		OSHA PEL		ACGIH TLV		NIOSH REL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Toluene	<b>TWA</b>	200		50	188	100	375
	<b>STEL</b>	300				150	560
Xylene (mixed isomers)	<b>TWA</b>	100	435	100	434	100	435
	<b>STEL</b>			150	651	150	655
Ethylbenzene	<b>TWA</b>	100	435	20		100	435
	<b>STEL</b>					125	545

**Engineering Controls:**

Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

**Personal Protective Equipment**

**Eyes and Face:**

Wear safety glasses with side shields (or goggles). Contact lenses should not be worn when working with this product. Eye wash fountains should be readily available to areas of use and handling.

**Skin Contact:**

Wear chemical resistant gloves.

**Respiratory:**

If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**Protective Clothing:**

Wear protective clothing as necessary to prevent contact.

**Work Hygienic Practices:**

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	: Liquid
<b>Odor</b>	: Aromatic
<b>Odor Threshold</b>	: No data available.
<b>Appearance</b>	: Clear
<b>Color</b>	: Colourless
<b>pH</b>	: Not Applicable
<b>% Volatiles</b>	: 97 % w/w
<b>Flash Point and Method</b>	: 4 °C Setaflash Closed Cup (Toluene)

**Flammable Limits** : 1.1 to 7.1

**Notes:** Based on data for toluene.

**Autoignition Temperature** : 480°C

**Notes:** Based on data for toluene.

**Vapor Pressure** : 3.8 kPa (21 mm Hg) [Toluene] at 20°C

**Vapor Density** : 3.1 (air = 1)

**Boiling Point** : 110 °C (Toluene)

**Freezing Point** : No data available.

**Melting Point** : No data available.

**Solubility in Water** : Practically insoluble

**Evaporation Rate**  
(n-butyl acetate = 1) : 2.24

**Density** : 0.86±0.01g/ml at 20°C

**Viscosity** : < 10 cps

**VOC Content** : < 840 g/l, less exempt solvents [< 97% w/w]

**Partition Coefficient**  
(n-octanol/water) : No data available.

**Oxidizing Properties** : None

**Comments:**

### **VOC Compliance Statement**

**VOC Content, as supplied:** Less Exempts: = 840 g/l (7.0 lb/gal)  
Total Material: = 840 g/l (7.0 lb/gal)  
**Density:** 0.86 to 0.87 g/ml  
**Total Volatiles:** < 97 % w/w  
**Exempt Content:** 0 % w/w; 0 % v/v

**VOC Regulation:** Automotive Refinish Coatings - Canada  
**Coating Category:** Adhesion Promoter  
**The product VOC content meets the 840 g/l (7.0 lb/gal) limit for Adhesion Promoter.**  
**Do not thin with solvents.**

**VOC Regulation:** U.S. EPA – Automotive Refinish Coatings - National Rule  
**Coating Category:** Specialty Coatings (Adhesion Promoter)  
**The product VOC content meets the U.S. EPA 840 g/l (7.0 lb/gal) limit for Specialty Coatings.**  
**Not for sale in California.**

## **10. STABILITY AND REACTIVITY**

**Reactive Hazard** : No

**Hazardous Polymerization:**  
Not expected to occur.

**Stability:**  
Stable.

**Conditions to Avoid:**

Keep away from flames and any object that sparks.

**Possibility of Hazardous Reactions:**

Not Available

**Hazardous Decomposition Products:**

Carbon Monoxide and other toxic vapors.

**Incompatible Materials:**

Oxidizing materials.

**11. TOXICOLOGICAL INFORMATION**

**Product Acute Toxicity**

Chemical Name	ORAL LD <sub>50</sub> mg/kg (rat)	DERMAL LD <sub>50</sub> mg/kg (rabbit)	INHALATION LC <sub>50</sub> mg/l
Toluene	7000, 6400, 5500	12,270	49.0(rat;4h) 30.0(mouse;2h) 19.9(mouse;7h)
Xylene (mixed isomers)	5400 5251(mouse) 5627(mouse)	12,180	6350 ppm (rat;4h) 6700 ppm (rat;4h)
Ethylbenzene	5460 3500 5627(mouse)	17,800 15,354	17.2(rat;4h) 13,367 ppm (rat;2h)

**Acute Toxicity - Dermal LD<sub>50</sub>:** The calculated ATE is >2000 mg/kg.

**Notes:**

Based on available data, the classification criteria for Acute Dermal Toxicity are not met for this mixture.

**Acute Toxicity - Oral LD<sub>50</sub>:** The calculated ATE is >2000 mg/kg.

**Notes:**

Based on available data, the classification criteria for Acute Oral Toxicity are not met for this mixture.

**Acute Toxicity - Inhalation LC<sub>50</sub>:** The calculated ATE is >20 mg/l/4h (vapours) and >5 mg/l/4h (mists).

**Notes:**

Based on available data, the classification criteria for Acute Toxicity - inhalation are not met for this mixture.

**Toxicological Data:**

< 1% of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

No additional toxicology information is available for this product itself. (See Component Toxicity Information).

**Eye Irritation / Serious Eye Damage:**

Based on available data, the classification criteria for eye irritation are not met for this mixture. Slightly irritating but does not injure eye tissue.

**Skin Irritation / Corrosion:**

Contains: Toluene. Causes skin irritation. The mixture is classified as: Skin Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as skin irritant, category 2). Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Carcinogenicity**

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Chemical Name	NTP Status	IARC Status	OSHA Status	Other
Toluene	--	3	--	--
Xylene (mixed isomers)	--	3	--	--
Ethylbenzene	--	2B	--	A3 (ACGIH)

### Notes:

The mixture is classified as: Carcinogenicity, category 2 based on ingredient data using the applicable cut-off/concentration limits ( $\geq 0.1\%$  ingredients classified as a Carcinogen, category 2).

### Specific Target Organ Toxicity - Repeated Exposure:

The mixture is classified as: Specific Target Organ Toxicity - Repeated Exposure, category 2, based on ingredient data using the applicable cut-off/concentration limits ( $\geq 1.0\%$  ingredients classified as Specific Target Organ Toxicity - Repeated Exposure, category 2). Prolonged inhalation may be harmful. Chronic exposure to organic solvents such as Toluene have been associated with various neurotoxic effects including permanent brain and nervous system damage. Symptoms include: loss of memory, loss of intellectual ability, and loss of coordination. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

### Respiratory / Skin Sensitizer:

Based on available data, the classification criteria for skin/respiratory sensitization are not met for this mixture ( $< 0.1\%$  ingredients classified as a skin sensitizer, category 1 or sub-category 1A and  $< 1.0\%$  ingredients classified as a skin/respiratory sensitizer, sub-category 1B).

### Reproductive Toxicity:

The mixture is classified as: Reproductive Toxicity, category 2 based on ingredient data using the applicable cut-off/concentration limits ( $\geq 0.1\%$  ingredients classified as Reproductive Toxicity, category 2). May cause adverse reproductive effects. Possible risk of harm to the unborn child (Toluene).

### Specific Target Organ Toxicity - Single Exposure:

Contains: Toluene. The mixture is classified as: Specific Target Organ Toxicity - Single Exposure, category 3, based on summation of ingredient data using the applicable cut-off/concentration limits ( $\geq 20\%$  summation of all ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 3). Can cause central nervous system depression (including unconsciousness). High vapor concentrations may cause drowsiness. May cause headaches and dizziness.

### Germ Cell Mutagenicity:

Based on available data, the classification criteria for Germ Cell Mutagenicity are not met for this mixture ( $< 0.1\%$  ingredients classified as Germ Cell Mutagen, category 1A or 1B and  $< 1.0\%$  ingredients classified as Germ Cell Mutagen, category 2).

### Aspiration Hazard:

The mixture is classified as: Aspiration Hazard, category 1 based on ingredient data and viscosity data ( $\geq 10\%$  ingredients classified as an Aspiration Hazard, category 1 and mixture viscosity  $\leq 20.5 \text{ mm}^2/\text{s}$  at  $40 \text{ }^\circ\text{C}$ ). If swallowed, may be aspirated and cause lung damage.

## 12. ECOLOGICAL INFORMATION

### Environmental Data:

No data available.

### Ecotoxicological Information:

No data available.

### Bioaccumulation/Accumulation:

No data available.

### Distribution:

No data available.



**Aquatic Toxicity (Acute):**

No data available.

**Chemical Fate Information:**

No data available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal Method:**

Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal. Do not discharge substance/product into sewer system.

**Product Disposal:**

Empty containers retain product residue; observe all precautions for product. Decontaminate containers prior to disposal.

**14. TRANSPORT INFORMATION**

**DOT (Department of Transportation)**

**Proper Shipping Name** : PAINT

**Primary Hazard Class/Division:** 3

**UN/NA Number** : 1263

**Packing Group** : II

**Other Shipping Information:**

For products with an inner packaging < 5.0 L, this product may be shipped as a Limited Quantity.

**Vessel (IMO/IMDG)**

**Shipping Name** : PAINT

**UN/NA Number** : 1263

**Primary Hazard Class/Division:** 3

**Packing Group** : II

**Marine Pollutant** : None

**Note:** For products with an inner packaging < 5.0 L, this product may be shipped as a Limited Quantity.

**Canadian Transportation of Dangerous Goods Regulations**

**Shipping Name** : PAINT

**UN/NA Number** : 1263

**Primary Hazard Class/Division:** 3

**Packing Group** : II

**TDG Note:**

For products with an inner packaging < 5.0 L, this component may be shipped as a Limited Quantity as per TDG Section 1.17.

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA Section 311/312 Hazard Categories**

**Fire Hazard** : Yes

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**Sudden Release of Pressure** : No  
**Reactive Hazard** : No  
**Product Acute Toxicity** : Yes  
**Product Chronic Toxicity** : Yes

**EPCRA Section 313 Toxic Chemicals**

Chemical Name	Wt.%	CAS No.
Toluene	92 - 96	108-88-3
Xylene (mixed isomers)	2 - 4	1330-20-7

**EPCRA Section 302 Extremely Hazardous Substances****EPCRA Status:**

This product contains no listed extremely hazardous substances that are subject to the reporting requirements of SARA Title III, Section 302.

**CERCLA Hazardous Substances and Reportable Quantities (RQ)**

Chemical Name	Wt.%	RQ
Toluene	92 - 96	1,000
Xylene (mixed isomers)	2 - 4	100
Ethylbenzene	0.4 - 0.6	1,000

**TSCA (The Toxic Substances Control Act)****TSCA Status:**

All components are included or are otherwise exempt from inclusion on this inventory.

**CAA 112(b) - Hazardous Air Pollutants**

Chemical Name	Wt.%	CAS No.
Toluene	92 - 96	108-88-3
Xylene (mixed isomers)	2 - 4	1330-20-7
Ethylbenzene	0.4 - 0.6	100-41-4

**CAA 112(r) - List of Substances for Accidental Release Prevention:**

This product contains no chemicals subject to CAA 112(r).

**California Proposition 65**

Chemical Name	Wt.%	Listed
Toluene	92 - 96	<ul style="list-style-type: none"><li>• Developmental Toxicity</li><li>• Female Reproductive</li></ul>
Ethylbenzene	0.4 - 0.6	Cancer

**OSHA Hazard Communication Standard (29 CFR 1910.1200):**

OSHA Status: Hazardous Product (See Section 2 for details).

This product has been classified in accordance with the hazard criteria of the USA OSHA Hazard Communication Standard (29CFR 1910.1200) and the Safety Data Sheet contains all the information required by the OSHA Hazard Communication Standard (HazCom 2012).

**CANADA****WHMIS Hazard Symbol and Classification**

See Section 2 for details.

**WHMIS Regulatory Status:**

This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

**WHMIS Classification:**

WHMIS 2015 (Canada) Status: Hazardous Product (See Section 2 for details).

**CEPA - National Pollutant Release Inventory (NPRI):**

Name	CAS No.	NPRI Part No.
Toluene	108-88-3	1A, 5 (VOC)
Xylene (mixed isomers)	1330-20-7	1A, 5 (VOC)

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):**

All components are included or are otherwise exempt from inclusion on this inventory.

**Comments**

VOC Content -- See section 9.

**16. OTHER INFORMATION**

**Reason for Issue:** NEW

**Prepared By :** Regulatory Compliance

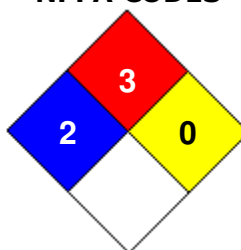
**Date Prepared:** 06/17/2015

**Information Contact:** 712-737-4993

**HMIS RATING**

<b>HEALTH</b>	*	2
<b>FLAMMABILITY</b>		3
<b>PHYSICAL HAZARD</b>		0
<b>PERSONAL PROTECTION</b>		G

**NFPA CODES**



**NFPA 30 / 30B Storage Classification:** Flammable Liquid IB

**Manufacturer Supplemental Notes:**

None

**Data Sources:**

Not Available

**Additional MSDS Information:**

N/AV Not Available

N/AP Not Applicable

ND Not yet determined

CAA The Clean Air Act

CCCR The Consumer Chemicals and Containers Regulations

CEPA The Canadian Environmental Protection Act

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

EPCRA The Emergency Planning and Community Right-To-Know Act

IARC International Agency for Research on Cancer

MSHA Mine Safety and Health Administration

NIOSH National Institute for Occupational Safety and Health

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NTP National Toxicology Program  
OSHA The Occupational Safety and Health Act  
SARA The Superfund Amendments and Reauthorization Act  
WHMIS Workplace Hazardous Materials Information System

### **General Statements:**

None

### **Comments:**

None

### **Manufacturer Disclaimer:**

The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. No responsibility is assumed for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of this material.