



Safety Data Sheet

Section 1 - Chemical Product and Company Information

Product Name: Smith's Epoxy VCB46P Boulder Part B

Product Code: SCS-EPVCB46P-5510-B

Trade Name: VCB46P 5510 Boulder Part B

Manufactured by:

Smith Paint Products
2200 Paxton Street
Harrisburg, PA 17111
(800) 466-8781

Chemtrec

2900 Fairview Park Drive Falls Church, VA
22042-4513 (800) 262-8200

Emergency Hot Line:

(800) 424-9300

Product Use: Industrial maintenance coating

Not recommended for: Refer to Product Data Sheet

Section 2 - Hazards Identification

GHS Ratings:

Skin corrosion/irritation	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Serious eye damage/eye irritation	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5
Skin sensitization	1	Skin sensitizer
Carcinogenicity	2	Limited evidence of human or animal carcinogenicity
Specific target organ toxicity single exposure	3	Transient target organ effects- Narcotic effects- Respiratory tract irritation
Specific target organ toxicity repeated exposure	1	Significant toxicity in humans- Reliable, good quality human case studies or epidemiological studies Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure (guidanc

GHS Hazards

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure

GHS Precautions

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hand thoroughly after handling.

P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P314	Get Medical advice/attention if you feel unwell
P321	Specific treatment (see supplemental first aid instruction on this label).
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	If exposed or concerned: Get medical attention/advice.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Signal Word: Danger



Section 3 - Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Bisphenol-A, Bisphenol-F, Epichlorohydrin, Polyethyleneglycol, Triethylenetetraamine, Cresylglycidylether, C12-C14 Alkylglycidylether, Phenylglycidylether, Diethylenetriamine Amine Functional Copolymer	1312024-58-0	10.00% - 20.00%
calcium carbonate	1317-65-3	10.00% - 20.00%
titanium dioxide	13463-67-7	10.00% - 20.00%
red iron oxide	1309-37-1	0.00% - 0.10%

Section 4 - First Aid Measures

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Eye contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. Suitable emergency eye wash facility should be available in work area.

Skin contact: Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.

Ingestion: No emergency medical treatment necessary.

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5 - Fire Fighting Measures

Flash Point: 100°C (212°F)

LEL:

UEL:

Suitable extinguishing media: To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Unsuitable extinguishing media: No data available.

Unusual Fire and Explosion Hazards: This material will not burn until the water has evaporated. Residue can burn.

Special hazards arising from the substance or mixture Hazardous combustion products: Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Nitrogen oxides. Carbon monoxide. Carbon dioxide.

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Burning liquids may be extinguished by dilution with water. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Evacuate area. Only trained and properly protected personnel must be involved in clean-up operations. Keep upwind of spill. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to section 7, Handling, for additional precautionary measures.

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Absorb with materials such as: Sand. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

Section 7 - Handling and Storage

Precautions for safe handling: Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Conditions for safe storage: Store in a cool, dry place.

Storage stability:

- Storage temperature: 5 - 30 °C (41 - 86 °F)
- Shelf life: Use within: 24 Month

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Bisphenol-A, Bisphenol-F, Epichlorohydrin, Polyethyleneglycol, Triethylenetetraamine, Cresylglycidylether, C12-C14 Alkylglycidylether, Phenylglycidylether, Diethylenetriamine Amine Functional Copolymer 1312024-58-0	Not Established	Not Established	Not Established
calcium carbonate 1317-65-3	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	1.4 mg/ m ³ respirable 4.2 mg/ m ³ total	NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)
titanium dioxide 13463-67-7	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	NIOSH: 2.4 mg/m ³ TWA (CIB 63, fine); 0.3 mg/m ³ TWA (CIB 63, ultrafine, including engineered nanoscale)
red iron oxide 1309-37-1	10 mg/m ³ TWA (fume); 15 mg/m ³ TWA (total dust, listed under Rouge); 5 mg/m ³ TWA (respirable fraction, listed under Rouge)	5 mg/m ³ TWA (respirable particulate matter)	NIOSH: 5 mg/m ³ TWA (dust and fume, as Fe)

Engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Eye/face protection: Use chemical goggles.

Hand protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Butyl rubber. Ethyl vinyl alcohol laminate ("EVAL"). Examples of acceptable glove barrier materials include: Nitrile/butadiene rubber ("nitrile" or "NBR"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Other protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Respiratory protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstance:

<p>Physical State: Liquid</p> <p>Odor: Amine</p> <p>Melting point/freezing point: Not available</p> <p>Flammability: Not available</p> <p>Flash point: 100°C</p>	<p>Color: Beige</p> <p>Odor threshold: Not available</p> <p>Boiling point or initial boiling point and range: 100°C</p> <p>Lower and upper explosion limit: N/A</p> <p>Auto-ignition temperature: N/A</p>
<p>Decomposition temperature: Not available</p> <p>Kinematic viscosity: Not available</p> <p>Partition coefficient n-octanol/water: Not available</p> <p>Relative density: 1.23</p> <p>Particle characteristics: Not available</p>	<p>pH: Not available</p> <p>Solubility: Not miscible in water</p> <p>Vapor pressure: 58.4 mmHg</p> <p>Relative vapor density: 0.6</p>

Section 10 - Stability and Reactivity

Chemical stability: Stable under recommended storage conditions. See Storage, Section 7.

STABLE

Incompatible materials: Avoid contact with: Acids. Halogenated hydrocarbons. Oxidizers.

No Data Available

Possibility of hazardous reactions: Polymerization will not occur.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aromatic compounds. Amines. Hydrocarbons. Phenolics.

No Data Available

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Inhalation Toxicity LC50: 99mg/L

Component Toxicity

1317-65-3	calcium carbonate	
	Oral LD50: 5 g/kg	
13463-67-7	titanium dioxide	
	Inhalation LC50: 5 mg/L (Rat)	

CAS Number	Description		Carcinogen Rating
13463-67-7	titanium dioxide	10% - 20%	titanium dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed

Section 12 - Ecological Information

Component Ecotoxicity

Bisphenol-A, Bisphenol-F, Epichlorohydrin, Polyethyleneglycol, Triethylenetetraamine, Cresylglycidylether, C12-C14 Alkylglycidylether, Phenylglycidylether, Diethylenetriamine Amine Functional Copolymer	Acute toxicity to fish: No relevant information found. Biodegradability: No relevant data found. Bioaccumulation: Relevant data not available. No relevant data found.
calcium carbonate	No information available.
titanium dioxide	Ecotoxicity: Fish: LC 50 - fathead minnow - > 1,000 mg/l - 96h Invertebrates: EC 50 - Daphnia magna (water flea) - > 1,000 mg/l - 48h Persistence and degradability: Readily degradable in the environment. Bioaccumulative potential: No additional information. Mobility in soil: No additional information. Other adverse effects: No additional information.
red iron oxide	LC50 96 h Danio rerio 100000 mg/L (approximately, ECHA)

Section 13 - Disposal Considerations

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

Section 14 - Transport Information

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
ADR/RID	Not Regulated			
DOT	Not Regulated			
IATA	Not Regulated			
IMDG	Not Regulated			

Section 15 - Regulatory Information

The state of California Safe Drinking Water and Toxic Enforcement Act of 1986 "Proposition 65" Warning, this product can expose you to chemicals which are known to the state of California to cause cancer. For more information go to www.p65warnings.ca.gov.

No Data Available

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

13463-67-7 titanium dioxide Carcinogen

R2K List

1317-65-3 calcium carbonate

13463-67-7 titanium dioxide

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances

Control Act Chemical Substance Inventory:

inert 1.0 - 5%

1312024-58-0 Bisphenol-A, Bisphenol-F, Epichlorohydrin, Polyethyleneglycol, Triethylenetetraamine, Cresylglycidylether, C12-C14 Alkyglycidylether, Phenylglycidylether, Diethylenetriamine Amine Functional Copolymer
10 - 20%

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.

Section 16 - Other Information

The material contained in this Safety Data Sheet is based on information supplied to Smith Paint Products by the raw material suppliers of the individual components of this product. Smith Paint Products believes this information is truthful and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and health and safety of your employees and users of this material. As more information becomes available from our vendors additional revisions will be forthcoming.

Date Prepared: 10/8/2024

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