

106014

## MATERIAL SAFETY DATA SHEET

2WZ111  
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## Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

## PRODUCT NUMBER

B62WZ111

## HMIS CODES

Health	2*
Flammability	3
Reactivity	0

## PRODUCT NAME

EPOXY-TCLAD\* High Solids Epoxy (Part A), Extra White

## MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY

## EMERGENCY TELEPHONE NO.

(216) 566-2917

101 Prospect Avenue N.W.

Cleveland, OH 44115

## DATE OF PREPARATION

30-SEP-02

## INFORMATION TELEPHONE NO.

(216) 566-2902

## Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
2	100-41-4	Ethylbenzene		
		ACGIH TLV	100 ppm	7.1 mm
		ACGIH TLV	125 ppm STEL	
		OSHA PEL	100 ppm	
		OSHA PEL	125 ppm STEL	
13	1330-20-7	Xylene.		
		ACGIH TLV	100 ppm	5.9 mm
		ACGIH TLV	150 ppm STEL	
		OSHA PEL	100 ppm	
		OSHA PEL	150 ppm STEL	
1	64742-95-6	Light Aromatic Hydrocarbons.		
		ACGIH TLV	Not Available	3.8 mm
		OSHA PEL	Not Available	
2	108-67-8	1,3,5-Trimethylbenzene		
		ACGIH TLV	25 ppm	2 mm
		OSHA PEL	25 ppm	
3	95-63-6	1,2,4-Trimethylbenzene		
		ACGIH TLV	25 ppm	2.03 mm
		OSHA PEL	25 ppm	
2	111-76-2	2-Butoxyethanol		
		ACGIH TLV	20 ppm (skin)	0.88 mm
		OSHA PEL	20 ppm (skin)	
19	Proprietary	Polyamide.		
		ACGIH TLV	Not Available	
		OSHA PEL	Not Available	
33	13463-67-7	Titanium Dioxide.		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	

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Section 3 -- HAZARDS IDENTIFICATION  
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ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic skin reaction in susceptible persons or skin sensitization.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

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Section 4 -- FIRST AID MEASURES  
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- If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
- If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
- If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
- If SWALLOWED: Do not induce vomiting. Get medical attention immediately.

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Section 5 -- FIRE FIGHTING MEASURES  
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FLASH POINT	LEL	UEL
85 F PMCC	0.7	10.6

FLAMMABILITY CLASSIFICATION

RED LABEL -- Flammable, Flash below 100 F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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Section 6 -- ACCIDENTAL RELEASE MEASURES  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.  
Remove with inert absorbent.

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Section 7 -- HANDLING AND STORAGE  
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STORAGE CATEGORY

DOL Storage Class IC

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.  
During use and until all vapors are gone: Keep area ventilated - Do not  
smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves,  
electric tools and appliances, and any other sources of ignition.  
Consult NFPA Code. Use approved Bonding and Grounding procedures.  
Keep container closed when not in use. Transfer only to approved  
containers with complete and appropriate labeling. Do not take internally.  
Keep out of the reach of children.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION  
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PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.  
Do not get in eyes or on skin. Avoid breathing vapor and spray mist.  
Wash hands after using.  
This coating may contain materials classified as nuisance particulates  
(listed "as Dust" in Section 2) which may be present at hazardous levels  
only during sanding or abrading of the dried film. If no specific dusts  
are listed in Section 2, the applicable limits for nuisance dusts are ACGIH  
TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3  
(total dust), 5 mg/m3 (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to  
materials in Section 2 is maintained below applicable exposure limits.  
Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by  
ventilation, wear a properly fitted organic vapor/particulate respirator  
approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator  
approved by NIOSH/MSHA for dust which may be generated from this product,  
underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection  
against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PROTECTIVE EQUIPMENT

Use barrier cream on exposed skin.

OTHER PRECAUTIONS

This product must be mixed with other components before use. Before  
opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Intentional misuse by deliberately concentrating and inhaling the  
contents can be harmful or fatal.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES  
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PRODUCT WEIGHT	12.52 lb/gal	1500 g/l
SPECIFIC GRAVITY	1.51	
BOILING POINT	277 - 360 F	136 - 182 C
MELTING POINT	Not Available	
VOLATILE VOLUME	43 %	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)		
3.15 lb/gal	377 g/l	Less Federally Exempt Solvents
3.15 lb/gal	377 g/l	Emitted VOC

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Section 10 -- STABILITY AND REACTIVITY  
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STABILITY -- Stable  
CONDITIONS TO AVOID  
    None known.  
INCOMPATIBILITY  
    None known.  
HAZARDOUS DECOMPOSITION PRODUCTS  
    By fire: Carbon Dioxide, Carbon Monoxide  
HAZARDOUS POLYMERIZATION  
    Will not occur

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Section 11 -- TOXICOLOGICAL INFORMATION  
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CHRONIC HEALTH HAZARDS

Ethylbenzene is classified by IARC as possibly carcinogenic to h (2B) based on inadequate evidence in humans and sufficient evidence laboratory animals. Lifetime inhalation exposure of rats and mice ethylbenzene concentrations resulted in increases in certain types cancer, including kidney tumors in rats and lung and liver tumors i These effects were not observed in animals exposed to lower concent There is no evidence that ethylbenzene causes cancer in humans.

Prolonged overexposure to solvent ingredients in Section 2 may c adverse effects to the liver, urinary, blood forming and reproducti systems.

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lu cancer, however, such exposure levels are not attainable in the wor

Reports have associated repeated and prolonged overexposure to s with permanent brain and nervous system damage.

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TOXICOLOGY DATA  
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CAS No.	Ingredient Name				
100-41-4	Ethylbenzene	LC50	RAT	4HR	Not Available
		LD50	RAT		3500 mg/kg
1330-20-7	Xylene.	LC50	RAT	4HR	5000 ppm
		LD50	RAT		4300 mg/kg
64742-95-6	Light Aromatic Hydrocarbons.	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
108-67-8	1,3,5-Trimethylbenzene	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
95-63-6	1,2,4-Trimethylbenzene	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
111-76-2	2-Butoxyethanol	LC50	RAT	4HR	Not Available
		LD50	RAT		470 mg/kg
Proprietary	Polyamide.	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
13463-67-7	Titanium Dioxide.	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available

Section 12 -- ECOLOGICAL INFORMATION

OTOXICOLOGICAL INFORMATION  
No data available.

Section 13 -- DISPOSAL CONSIDERATIONS

ASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

Section 14 -- TRANSPORT INFORMATION

No data available.

Section 15 -- REGULATORY INFORMATION

ARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Elements
100-41-4	Ethylbenzene	2	
1330-20-7	Xylene.	13	
95-63-6	1,2,4-Trimethylbenzene	3	
	Glycol Ethers	2	

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 -- OTHER 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.

The above information pertains to this product as currently formulated and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.