

MATERIAL SAFETY DATA SHEET

B65W800  
03 00

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

B65W800

HMIS CODES

Health 2  
Flammability 2  
Reactivity 0

PRODUCT NAME

ARMORSEAL\* FLOOR-THANE\* CRU Polyester Polyurethane (Part A), Extra White

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY  
101 Prospect Avenue N.W.  
Cleveland, OH 44115

EMERGENCY TELEPHONE NO.

(216) 566-2917

DATE OF PREPARATION

05-MAR-06

INFORMATION TELEPHONE NO.

(216) 566-2902

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
11	110-43-0	Methyl n-Amyl Ketone		
		ACGIH TLV	50 ppm	2.14 mm
		OSHA PEL	100 ppm	
18	108-65-6	1-Methoxy-2-Propanol Acetate		
		ACGIH TLV	Not Available	1.8 mm
		OSHA PEL	Not Available	
3	1332-58-7	Kaolin		
		ACGIH TLV	2 mg/m3 as Resp. Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	
36	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	

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the 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.

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MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE  
May cause allergic respiratory and/or skin reaction in susceptible persons or sensitization. This effect may be delayed several hours after exposure.

## 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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EYES: Flush eyes with large amounts of water for 15 minutes.  
Get medical attention.  
SKIN: Wash affected area thoroughly with soap and water.  
Remove contaminated clothing and launder before re-use.  
INHALATION: If any breathing problems occur during use, LEAVE THE AREA and get fresh air. If problems remain or occur later, IMMEDIATELY get medical attention.  
INGESTION: Do not induce vomiting.  
Get medical attention immediately.

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Section 5 -- FIRE FIGHTING MEASURES  
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FLASH POINT  
102 F PMCC  
LEL 1.1 UEL 13.1  
FLAMMABILITY CLASSIFICATION  
Combustible, Flash above 99 and below 200 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 II

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are COMBUSTIBLE. Keep away from heat and open flame.  
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

NO PERSON SHOULD USE THIS PRODUCT, OR BE IN THE AREA WHERE IT IS BEING  
USED, IF THEY HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS OR IF  
THEY EVER HAD A REACTION TO ISOCYANATES.

Use only with adequate ventilation.

Avoid contact with skin and eyes. 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/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup>  
(total dust), 5 mg/m<sup>3</sup> (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

Where overspray is present, a positive pressure air supplied respirator  
(TC19C NIOSH/MSHA approved) should be worn. If unavailable, a properly  
fitted organic vapor/particulate respirator approved by NIOSH/MSHA for  
protection against materials in Section 2 may be effective. Follow  
respirator manufacturer's directions for use. Wear the respirator for the  
whole time of spraying and until all vapors and mists are gone. NO PERSONS  
SHOULD BE ALLOWED IN THE AREA WHERE THIS PRODUCT IS BEING USED UNLESS  
EQUIPPED WITH THE SAME RESPIRATOR PROTECTION RECOMMENDED FOR THE PAINTERS.

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

To prevent skin contact, 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 11.90 lb/gal 1425 g/l  
 SPECIFIC GRAVITY 1.43  
 BOILING POINT 284 - 308 F 140 - 153 C  
 MELTING POINT Not Available  
 VOLATILE VOLUME 48 %  
 EVAPORATION RATE Slower than ether  
 VAPOR DENSITY Heavier than air  
 SOLUBILITY IN WATER N.A.  
 VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)  
 3.62 lb/gal 433 g/l Less Water and Federally Exempt Solvents  
 3.62 lb/gal 433 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

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.  
 Prolonged overexposure to solvent ingredients in Section 2 may cause  
 adverse effects to the liver, urinary and blood forming systems.  
 Persons sensitive to isocyanates will experience increased allergic  
 reaction on repeated exposure.  
 Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung  
 cancer, however, such exposure levels are not attainable in the workplace.  
 Reports have associated repeated and prolonged overexposure to solvents  
 with permanent brain and nervous system damage.

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 TOXICOLOGY DATA

CAS No.	Ingredient Name				
110-43-0	Methyl n-Amyl Ketone	LC50	RAT	4HR	Not Available
		LD50	RAT		1670 mg/kg
108-65-6	1-Methoxy-2-Propanol Acetate	LC50	RAT	4HR	Not Available
		LD50	RAT		8500 mg/kg
1332-58-7	Kaolin	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
13463-67-7	Titanium Dioxide	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available

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Section 12 -- ECOLOGICAL INFORMATION  
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## ECOTOXICOLOGICAL INFORMATION

No data available.

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Section 13 -- DISPOSAL CONSIDERATIONS  
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## WASTE 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.

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Section 14 -- TRANSPORT INFORMATION  
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No data available.

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Section 15 -- REGULATORY INFORMATION  
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## SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
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No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

## CALIFORNIA PROPOSITION 65

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

## TSCA CERTIFICATION

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

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Section 16 -- OTHER INFORMATION  
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This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (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.