

MATERIAL SAFETY DATA SHEET

B65W751
03 00

=====
Section 1 -- PRODUCT AND COMPANY IDENTIFICATION
=====

PRODUCT NUMBER		HMIS CODES	
B65W751		Health	1
		Flammability	0
		Reactivity	0
PRODUCT NAME	ARMORSEAL* ARMOR-PLEX* Water Based Urethane (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	05-MAR-06	INFORMATION TELEPHONE NO.	(216) 566-2902

=====
Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS
=====

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
24	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.

SIGNS AND SYMPTOMS OF OVEREXPOSURE
 Redness and itching or burning sensation may indicate eye or excessive skin exposure.

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.

=====
 Section 4 -- FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes.
Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.

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.

 =====
 Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL
>200 F PMCC	N.A.	N.A.

FLAMMABILITY CLASSIFICATION

Not Applicable

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

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.

 =====
 Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

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

 =====
 Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY

DOL Storage Class IIIB

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

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.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

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/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

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.

=====
 Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES
 =====

PRODUCT WEIGHT 11.42 lb/gal 1367 g/l
 SPECIFIC GRAVITY 1.37
 BOILING POINT 212 - 213 F 100 - 100 C
 MELTING POINT Not Available
 VOLATILE VOLUME 51 %
 EVAPORATION RATE Slower than ether
 VAPOR DENSITY Heavier than air
 SOLUBILITY IN WATER N.A.
 pH 9.0
 VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)
 0.09 lb/gal 11 g/l Less Water and Federally Exempt Solvents
 0.04 lb/gal 5 g/l Emitted VOC

 =====
 Section 10 -- STABILITY AND REACTIVITY
 =====

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

 =====
 Section 11 -- TOXICOLOGICAL INFORMATION
 =====

CHRONIC HEALTH HAZARDS
 No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.
 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.

 =====
 TOXICOLOGY DATA

CAS No.	Ingredient Name				
13463-67-7	Titanium Dioxide	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available

 =====
 Section 12 -- ECOLOGICAL INFORMATION
 =====

ECOTOXICOLOGICAL INFORMATION
 No data available.

=====
Section 13 -- DISPOSAL CONSIDERATIONS
=====-----
WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

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

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
---------	-------------------	---------	-----------

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.

TSCA 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 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.