

PRODUCT DATA SHEET

CUSTOMER	: WISMARQ CORPORATION-WI
TRADE NAME	: SPECIALTY SUPER SERIES 1000
PRODUCT NAME	: 300 WHITE POLYESTER
PRODUCT CODE	: 408-1-W942
PRODUCT TYPE	: POLYESTER
INTENDED END USE	: EXTERIOR GUTTER STOCK
SHELF LIFE	: 6 MONTH(S) (RETEST OLDER MATERIAL PRIOR TO USE)

PHYSICAL CONSTANTS

VISCOSITY @ 77 °F (25 °C)	: 25-30 SEC.	NON-VOLATILE WEIGHT**	: 67-69 %
VISCOMETER	: #4 ZAHN	NON-VOLATILE VOLUME**	: 51-53 %
WEIGHT/GALLON RANGE	: 11.0-11.4 LBS	VOC RANGE	: 3.12-3.81 LBS/GAL
COVERAGE**	: 1109 SQ.FT./GAL @ .75 MILS	HMS RATING	: 2*-2.0-C

APPLICATION RECOMMENDATIONS

FOR PRODUCTION:

APPLICATION METHOD	: REVERSE ROLL COAT	SUBSTRATE	: ALUMINUM
SUBSTRATE PRETREATMENT	: BOND 1402W	SUBSTRATE THICKNESS	: .021
FILM THICKNESS : DRY	: .65-.75 MILS	WET**	: 1.25-1.55 MILS
APPLIED VISCOSITY	: 25-30 SEC.	REDUCE WITH	: 50/50

FOR LABORATORY:

APPLICATION METHOD	: 24 BAR	SUBSTRATE	: ALUMINUM
FILM THICKNESS : DRY	: .65-.70 MILS	SUBSTRATE THICKNESS	: .021
CURE CYCLE	: 25 SEC.	PMT***	: 410 °F

PHYSICAL PROPERTIES

LABORATORY : 60 GLOSS	: 30-33	85 GLOSS : N/A
PRODUCTION : 60 GLOSS	: 27-33	85 GLOSS : N/A
MINIMUM PENCIL HARDNESS	: F EAGLE TURQUOISE	
SOLVENT RESISTANCE	: 100+ DOUBLE RUBS, MEK	
REVERSE IMPACT	: 30 IN. LBS, NO TAPE OFF	
FLEXIBILITY	: 1T, NO TAPE OFF	
METAL MARKING RESISTANCE	: YES	

ISSUE DATE : 12-19-97 *UPDATED*

** THEORETICAL VALUES *** DETERMINATION MADE WITH THERMOLABEL TAPE

Statements and methods contained herein are based upon the best information and practices known to SCC. However, procedures for applications are suggestions only and are not to be construed as representations as to performance or results.

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

G79AC0147

HMIS CODES

Health 3
Flammability 2
Reactivity 0

PRODUCT NAME

102H PEARL GRAY

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY

101 Prospect Avenue N.W.

Cleveland, OH 44115

DATE OF PREPARATION

09-DEC-02

EMERGENCY TELEPHONE NO.

(216) 566-2917

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Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
0.2	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	
2	64742-95-6	Light Aromatic Hydrocarbons		
		ACGIH TLV	Not Available	3.8 mm
		OSHA PEL	Not Available	
3	108-67-8	1,3,5-Trimethylbenzene		
		ACGIH TLV	25 ppm	2 mm
		OSHA PEL	25 ppm	
5	95-63-6	1,2,4-Trimethylbenzene		
		ACGIH TLV	25 ppm	2.03 mm
		OSHA PEL	25 ppm	
8	64742-94-5	Medium Aromatic Hydrocarbons		
		ACGIH TLV	Not Available	0.12 mm
		OSHA PEL	Not Available	
1	91-20-3	Naphthalene		
		ACGIH TLV	10 ppm	1 mm
		ACGIH TLV	15 ppm STEL	
		OSHA PEL	10 ppm	
		OSHA PEL	15 ppm STEL	
10	111-76-2	2-Butoxyethanol		
		ACGIH TLV	20 ppm (skin)	0.88 mm
		OSHA PEL	20 ppm (skin)	
5	112926-00-8	Amorphous Precipitated Silica		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	6 mg/m3 as Dust	
18	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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0.2	1333-86-4	Carbon Black	ACGIH TLV	3.5	mg/m3
			OSHA PEL	3.5	mg/m3
3	8007-18-9	Nickel Antimony Titanate	ACGIH TLV	0.5	mg/m3
			OSHA PEL	0.5	mg/m3

0.43 Antimony (as Sb)

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates can be absorbed through the skin. Follow recommendations for proper use, ventilation, and personal protective equipment to minimize exposure.

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

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

Section 4 -- FIRST AID MEASURES

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.

Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT	DBL	UEL
105 F PMCC	0.7	10.6

FLAMMABILITY CLASSIFICATION

Combustible, Flash above 99 and below 200 F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

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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.

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 II

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.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

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

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, wirebrushing, abrading, burning or welding the dried film, wear a particulate respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section 2.

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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 PRECAUTIONS

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

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	10.62 lb/gal	1272 g/l
SPECIFIC GRAVITY	1.28	
BOILING POINT	308 - 425 F	153 - 218 C
MELTING POINT	Not Available	
VOLATILE VOLUME	44 %	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
VOLATILE ORGANIC COMPOUNDS	(VOC Theoretical)	
3.31 lb/gal	397 g/l	Less Federally Exempt Solvents
3.30 lb/gal	396 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, Oxides of Metals in Section 2

HAZARDOUS POLYMERIZATION

Will not occur

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CHRONIC HEALTH HAZARDS

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

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

Limited evidence exists linking certain Nickel compounds to cancer in animals and possibly humans, however no direct evidence exists that Nickel Antimony Titanate is carcinogenic.

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

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.

TOXICOLOGY DATA

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CAS No.	Ingredient Name				
100-41-4	Ethylbenzene	LC50	RAT	4HR	Not Available
		LD50	RAT		3500 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
64742-94-5	Medium Aromatic Hydrocarbons	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
91-20-3	Naphthalene	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
111-76-2	2-Butoxyethanol	LC50	RAT	4HR	Not Available
		LD50	RAT		470 mg/kg
112926-00-8	Amorphous Precipitated Silica	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
13463-67-7	Titanium Dioxide	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
1333-86-4	Carbon Black	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
8007-18-9	Nickel Antimony Titanate	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 may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

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

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

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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	% Elements
100-41-4	Ethylbenzene	0.2	
95-63-6	1,2,4-Trimethylbenzene	5	
91-20-3	Naphthalene	1	
	Nickel Compound	3	0.1
	Antimony Compound	3	0.4
	Glycol Ethers	10	

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.

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.