

Date: MAR 2005

Material Safety Data Sheet

Section I - MSDS General Information

Manufacturer	Product	Hazardous Material Identification System	
Smith Paint Products 2200 Paxton Street Harrisburg, PA 17111 (717) 233-8781	Class: Paint - Water Based Paint Type: Acrylic Emulsion Trade Name: Smith's Color Floor all Colors	Health: 1 Flammability: 1 Reactivity: 0 Personal Protection: H	

D.O.T. Information	OSHA Flammability Classification
Shipping Name – Water Based Paint Shipping Number - Unregulated	Combustible Liquid - Class III B

Section II - Fire and Explosive Hazard Data

Extinguishing Media: Dry Chemical, Foam, Carbon Dioxide and or Water Fog.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus with a full-face piece operated in positive pressure mode and full protective clothing. Water may be used to cool closed containers to prevent pressure build up and possible auto ignition or explosion when exposed to extreme heat.

Unusual Fire and Explosion Hazard: Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. This material may produce a floating fire hazard since the vapors may travel or be moved by air currents and be ignited. 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.

Section III - Health and Hazard Data

Primary Routs of Entry: Inhalation, Skin contact.

Effects of Over Exposure:

Inhalation: Nasal and respiratory irritation, dizziness, drowsiness, weakness, fatigue, confusion, nausea, headache, vertigo, possible unconsciousness, even asphyxiation. Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, qualified personnel may give oxygen. Obtain medical attention.

Skin Contact: Brief contact may cause slight irritation with itching and local redness. Prolonged contact may cause more severe irritation, with discomfort or pain, local redness and swelling, and possible tissue destruction.

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Eye Contact: Irritation of eyes.

Ingestion: Amounts ingested incidental to consumer and industrial handling are not likely to cause injury; however, ingestion of large amounts could cause serious injury.

Emergency and First Aid Procedures:

Inhalation: Move victim to fresh air at once. If breathing has stopped, perform artificial respiration. Get medical attention as soon as possible.

Skin Contact: Wash off quickly with plenty of water, then soap and water; remove contaminated clothing. Wash contaminated clothing before reuse.

Eye Contact: Immediately flush eyes with large amount of water for at least 15 minutes, occasionally lifting upper and lower lids. Get medical attention immediately. Contact lenses should not be worn when working with this material.

Ingestion: If swallowed, obtain medical treatment immediately.

Medical Conditions Aggravated By Exposure: This product is not expected to aggravate existing medical conditions; however, ingredients contained in this product have been reported to aggravate preexisting eye, skin, respiratory disorders, lung disorders and kidney disorders.

Supplemental Health Information: This product contains crystalline silica, which is considered a hazard by inhalation. The IARC has determined that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and limited evidence for the carcinogenicity of crystalline silica to humans. Crystalline silica is also a known cause of silicosis, a noncancerous lung disease.

Section IV - Reactivity Data

Hazardous Polymerization: Will not occur.

Conditions To Avoid: Elevated temperatures. Contact with oxidizing agent.

Hazardous Decomposition Products: Can produce Carbon Monoxide and / or Carbon Dioxide.

Incompatibility: Oxidizers.

Stability: Stable.

Section V - Spill or Leak Procedures

Material Released or Spilled: Comply with all applicable health and environmental regulations. Ventilate area. Spills may be collected with absorbent material.

Waste Disposal: Dispose in accordance with all applicable regulations. Avoid discharge into natural waters.

Section VI - Special Protection Information

Personal Protective Equipment: Eye wash, safety shower.

Respiratory Protection: Control environmental concentrations below applicable standards. Where respiratory protection is required, use only NIOSH/MSHA approved respirators in accordance with OSHA Standard 29 CFR1910.134.

Ventilation: Provide dilute ventilation or local exhaust to prevent build-up of vapors.

Protective Gloves: Usual hand protection for paint application - if repeated contact Nitrile gloves.

Eye Protection: Safety glasses, chemical goggles, splash guards or side shields or face shields

Other Protective Clothing or Equipment: Chemical apron, eye bath, safety shower.

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Section VII - Special Precautions

Handling and Storage: Store below 100 ° F. Keep from freezing. Small spills can be flushed with large amounts of water; larger spills should be collected for disposal. Extinguish and DO NOT turn on any ignition source until the area is determined to be free from fire or explosion hazard.

Other Precautions: Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Keep containers closed and upright when not in use. Avoid conditions, which result in formation of inhalable particles such as spraying or sanding painted surfaces. If such conditions cannot be avoided, use respiratory protection as directed under Special Protection Information.

Work/Hygienic Practices: Wash hands thoroughly after handling, especially before eating or smoking. Smoke in "Smoking Area" only.

This product may contain crystalline silica in quantities greater than 0.1%. IARC has classified crystalline silica as probably carcinogenic for humans. This classification is based on the findings of laboratory animal studies that were considered to provide sufficient evidence and data from human epidemiological studies that were considered to provide limited evidence for carcinogenicity. Crystalline silica is also a known cause of silicosis, a noncancerous lung disease. NTP and OSHA have not classified crystalline silica as a carcinogen.

Special Note: The material contained in this Material Safety Data Sheet is based on information supplied to Smith Paint Products by the raw material suppliers of the individual components of this product and Smith Paint Products believes this information is 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.

Complies with OSHA hazard communication standard 29CFR1910.1200.

Section VIII - Explanation of Abbreviations and Terminology

ACGIH: American Conference of Governmental Industrial Hygienists.

CAS Name: Chemical Abstract System name

CAS #: Chemical Abstract System number available for every chemical made. Mixtures do not have abstract numbers.

CERCLA: Comprehensive Emergency Response, Compensation, and Liability Act: Section 302. Release of a CERCLA hazardous material in greater than its RQ (reportable quantity) in a 24 hour period, must be reported.

Ceiling: The concentration, which should not be exceeded even instantaneously.

Carcinogen:

O: OSHA (Occupational Safety Health Act)

I: IARC (International Agency for Research on Cancer)

N: National Toxicological Program

CCA: Clean Air Act Amendment of 1990

Flash Point: Minimum temperature at which a liquid gives off a vapor in sufficient concentration to ignite when tested under given procedures.

HAPS: Clean Air Act Hazardous Air Pollutants and Ozone Depleting Chemicals.

HMIS: Hazardous Material Identification System

H: Health

F: Fire

R: Reactivity

IARC: International Agency for Research on Cancer

LEL: Lower Explosive Limit

N: No

NFPA: National Fire Protection Agency h: materials which are stable when exposed to fire or water.

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N/A: Not Applicable
N/D: Not Determined
N/E: Not Established
N/R: Not reported by manufacturer
N/T: Not Tested
NIOSH: National Institute of Occupational Safety and Health
PEL: Permissible Exposure Limit
R2K: Pennsylvania Workers and Community Right To Know Act
 E: Environmental
 S: Special Hazardous Substances
 X: Present in formula
RCRA: Resource Conservation and Recovery Act: codes required on hazardous waste manifest.
RQ: Reportable Quantity
SARA TPQ: Superfund Amendments and Reauthorization Act, and TPQ (Threshold Planning Quantities)
SARA III: Section 313 - (toxic chemical release reporting): facilities manufacturing, processing or otherwise using toxic chemicals equal to or greater than TPQ must file form R with state and local emergency planning committees.
SARA 311/312: (community right-to-know reporting)
 A: Acute
 C: Chronic
 F: Fire
 R: Reactivity
STEL: Short Term Exposure Limit.
TPQ: Threshold Planning Quantities
TWA PPM: Time Weighted Average Parts per Million.
TWA MG/M³: Time Weighted Average per Milligrams per Cubic Meter.
TLV: Threshold Limit Values
TSCA: Toxic Substances Control Act
UEL: Upper Explosive Limit
Vapor Pressure: The pressure exerted by the saturated vapor above any liquid (MM of HG @ 20⁰ C).
Vapor Density: The relative density or weight of a vapor or gas compared with an equal volume of air.
Water Solubility: Solubility of the material in water
XOV:
 X: Hazardous Air Pollutants
 O: Organic Hazardous Air Pollutants
 V: Volatile Hazardous Air Pollutants
Y: Yes

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Colorants Used in Smith's Color Floor

	CAS #	HMIS			STAB	HAZ POL	OSHA		ACGIH-TLV				LD50	LD50	LC50	CARCIN			TS	CER-	SARA TITLE III					CLEAN			PA									
		H	F	R			PEL-TWA	STEL		TWA		ORAL	DERM	INHAL	O	I	N	CA	CLA	302	311/312			313	De m	AIR ACT		R2K										
								PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	RAT							RAB	RAT	I			D	F	R	P	SOCMI	HAP	E	S	X				
		NO INFORMATION AVAILABLE FROM SUPPLIER																																				
TITANIUM DIOXIDE	013463-67-7	2	1	0	Y	N		15		N/E		10	24000	10000	6820	N	N	N	N	N	N						N	N	N									
RED IRON OXIDE	001332-37-2	2	1	0	Y	N		10		N/E		5	5000	N/A	N/A	N	N	N	N	N	N						N	N	N									
BURNT UMBER(CARBON BLACK)	001333-86-4	2	1	0	Y	N		3.5		N/E		N/R	10000	N/A	N/A	N	N	N	N	N	N						N	N	N									
BROWN IRON OXIDE	001332-37-2	2	1	0	Y	N		10		N/E		5	5000	N/A	N/A	N	N	N	N	N	N						N	N	N									
YELLOW OXIDE	051274-00-1	2	1	0	Y	N		10		N/E		5	>5000	N/A	N/A	N	N	N	N	N	N						N	N	N									
RAW UMBER(IRON OXIDE)	001309-37-1	2	1	0	Y	N		10		N/E		5	>5000	N/A	N/A	N	N	N	N	N	N						N	N	N									
PHTHALO GREEN	NO INFORMATION AVAILABLE FROM SUPPLIER																																					
PHTHALO BLUE	000147-14-8	2	1	0	Y	N		N/E		N/E		N/E	>5000	N/A	N/A	N	N	N	N	N	N																	
LAMP BLACK	001333-86-4	2	1	0	Y	N		3.5		N/E		N/E	>10000	N/A	N/A	N	N	N	N	N	N						N	N	N									

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Smith's Color Floor – General

	Concentrate	Diluted
WEIGHT PER GAL.	<u>8.7 - 9.4</u> LBS.	VOC BY WEIGHT <u>.97 - 1.5</u> %
SOLIDS BY WEIGHT	<u>29.4 - 36</u> %	VOC PER GAL lbs. .083 - .093 Water Included
VOC BY WEIGHT	<u>4.75 - 5.17</u> %	VOC g/l <u>9.14 - 11.11</u>
WATER BY WEIGHT	<u>59.2 - 63.5</u> %	
VOC PER GAL lbs.	<u>1.21 - 1.39</u> Water Excluded	

	CAS #	% BY WEIGHT	FLASH POINT F	LEL	UEL	VAP P MM HG 70F	VAP DENS AIR=1	EVAP R 1=BUTYL ACETATE	BOILING POINT F	SOL H2O	STAB ILITY	HAZ POL	OSHA PEL-TWA		ACGIH-TLV				LD50 ORAL RAT	LD50 DERM RAB	LC50 INHAL RAT	IDLH PPM		
													PPM	MG/M3	STEL		CEILING							
															PPM	MG/M3	PPM	MG/M3						
WATER	772-18-5	65-70	N/A	N/A	N/A				212	100	Y	N	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E	
PROPYLENE GLYCOL	57-55-6	1-5	247	3.20	N/D	0.12	2.14	N/R	387.1	100	Y	N	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E	
BUTYL CELLOSOLVE	111-76-2	1-5	150	1.10	10.6	0.6	4.1	0.1	340	100	Y	N	50	240	N/E	N/E	N/E	N/E	N/E	N/E	2.4	400	500	700
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	1-5	175	1.10	14.	0.41	5.14	N/R	363	100	Y	N	100	150							5.4	20 ML	N/R	600
2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE	25265-77-4	1-5	248	0.62	4.24	0.013	7.5	0.002	491	500mg/l	y	N	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E	6.36	16	3.55	N/E
ACRYLIC RESIN	MIXTURE	25-30	N/A	N/A	N/A	=H20	N/A	N/A	>200	DISP	Y	N	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E	>5000	N/A	N/A	
ADDITIVES	MIXTURE	>.5																						
FUNGICIDE	MIXTURE	>.5																						
COLORANT	MIXTURE	1-15	N/A	N/A	N/A	=H20																		

	CARCINOGEN			TS CA	CER-CLA RQ	SARA TITLE III							CLEAN AIR ACT		PA R2K	
	O	I	N			302 TPO	311/312			313	PRIMARY HAZARD	SOCMI	HAP	E	S	X
							A	C	F							
WATER	N	N	N	N	N	N	N	0	0	0			N	N		
PROPYLENE GLYCOL	N	N	N	N	N	N		0	1	0			N/R	Y	XOV	X
BUTYL CELLOSOLVE	N	N	N	N	N	N		1	2	0			SYSTEMIC	Y	XOV	X
DIPROPYLENE GLYCOL MONOMETHYL ETHER	N	N	N	N	N	N		2	0	0			N	N		X
2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE	N	N	N	N	N	N		1	0	1			N	N		
ACRYLIC RESIN	N	N	N	N	N	N		1	0	0			N/R	N	N	
ADDITIVES																
FUNGICIDE																
COLORANT																

SEE COLORANT PAGE FOR SPECIFIC INFORMATION ON COLORS

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