Material Safety Data Sheet

Nature Shield

Section I - MSDS General Information

Manufacture:

Product Information:

Smith Paint Products 2200 Paxton Street Harrisburg, PA 17111 (717) 233-8781 Class: Water Based Urethane Silicone Modified Low Solid

D.O.T. Shipping Information: Shipping Name: Paint – Water Based Hazard Class: Not regulated Labels Required: None Hazardous Material Identification System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	G

Section II - Fire and Explosive Hazard Data

Extinguishing Media: Dry Chemical, Foam, Carbon Dioxide and or Water – Fine Spray or 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.

Unusual Fire and Explosion Hazard: Material does not burn – it present no unusual fire hazard.

Dangerous Decomposition Products: Carbon dioxide, carbon monoxide, nitrogen oxides, partly oxidized hydrocarbon fragments.

Section III - Health and Hazard Data

Primary Routs of Entry: Inhalation, dermal 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 local redness.

Eye Contact: May cause 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. Seek medical attention.

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.

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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.

Ingestion: If swallowed, obtain medical treatment immediately.

Medical Conditions Aggravated By Exposure: This product is not expected to aggravate existing medical conditions.

Section IV - Reactivity Data

Hazardous Polymerization: Will not occur.

Conditions To Avoid: Contact with oxidizing agent.

Hazardous Decomposition Products: Can produce carbon monoxide, carbon dioxide, nitrogen oxides, partly oxidized hydrocarbon fragments.

Incompatibility: Oxidizers.

Stability: Stable.

Section V - Spill or Leak Procedures

Material Released or Spilled: Ventilate area. Spills may be collected with absorbent material. Do not allow material to contaminate environment.

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

Section VI - Special Protection Information

Personal Protective Equipment: No precautionary health measures should be needed when product is used under normal conditions.

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: Minimize skin contact. Usual hand protection for paint application - if repeated contact Nitrile gloves

Eye Protection: Minimize eye contact. Safety glasses, chemical goggles, splash guards or side shields or face shields

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

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.

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Other Precautions: Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes. Keep containers closed and upright when not in use.

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

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: The temperature at which a liquid will yield enough flammable vapors to ignite.

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

O:Organic Hazardous Air Pollutants V: Volatile Hazardous Air Pollutants X: Hazardous Air Pollutants

HMIS: Hazardous Material Identification System

H: Health F: Fire R: Reactivity

IARC: International Agency for Research on Cancer

LEL: Lower Explosive Limit -describes the leanest mixture that is still flammable

N: No

NFPA: National Fire Protection Agency

H: Health F: Fire R: Reactivity

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

OSHA: Occupational Safety and Health Act

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 SOCMI: Synthetic Organic Chemical Manufacturing Industry -STEL: Short Term Exposure Limit. TPQ: Threshold Planning Quantities

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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 - describes the richest mixture that is still flammable

Vapor Pressure: The pressure exerted by the saturated vapor above any liquid (MM of HG @ 20[°] 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

Y: Yes

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NATURE SHIELD

WEIGHT PER GAL. LBS. 9.684

VOC GRAMS PER LITER 23.49

	PHYSICAL PROPERTIES HEALTH														HEALTH PERMISSSABLE EXPOSURE LIMITS:											
PRODUCT	CHEMICAL	%	FLASH	LEL	UEL	STABLE	HAZARD	BOILING	VAPOR	VAPOR	EVAP.	SOLU.	MELT	PH	OSHA						ACGIH					
	ABSTRACT	RANGE	POINT				POLYM-	RANGE	PRES.	DENSITY	RATE	IN	POINT		T	NA	STEL		STEL CEILING		TWA		STEL		CEI	LING
	#		F				ERIZATION	F	mmHg	Air=1	BU/AC	WATER	F		PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3
WATER	7732-18-5	75 - 80	N/A	N/A	N/A	Y	N	212	17.5@68F	N/A	N/R	INFINITE	32	7.0												
URETHANE RESIN	BLEND	20 - 25	N/A	N/A	N/A	Y	N	212	N/E	N/R	N/R	MISCIBLE	N/R	9 - 10								85				
WETTING AGENTS	BLEND	>1	N/A	N/A	N/A	Y	N	N/A	N/A	N/A	N/A	66%@25C	620-640C	9.6	5 DUST						3 DUST					
DEFAOMER	BLEND	>1	N/A	N/A	N/A	Y	N	212	N/D	N/D	N/D	DISPERS	N/D	6-8	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
ALKOXY SILANES	BLEND	>1	N/A	N/A	N/A	Y	N	203	N/A	N/A	N/A	MISCIBLE	N/R	8-May												

	HEALTH DATA CONTINUED REUL														REULATORY DATA											
PRODUCT	CHEMICAL	PRIMARY		CARCINOGE	N	SKIN	CHRONIC	ACUTE	PROCESS	NFPA RATING									SARA	TITLE III			ACC	IDENT	SOCMI	HAP
	ABSTRACT	HAZARD	OSHA	IARC	NTP	DESIG-			SAFETY	FLAMMABLE 325 HAZARDOUS						DOUS 49		EHS	EHS	TR	RCRA	CERCLA	RELEASE	BASIS	CHEM	CODE
	#					NATION			MGT TQ	н	F	R	s	н	F	R	s	RQ	TPQ	CONC	CODE	RQ	TQ		YES/NO	
WATER	7732-18-5	N/R	N	N	N	N/R	N	N	N/R	0	0	0		0	0	1		N	N	N	N	N	N	N	N	N
URETHANE RESIN	BLEND	N/R	N	N	N	N/R	N	Y	N/R	1	0	0						N	N	N	N	N	N	N	N	N
WETTING AGENTS	BLEND	I,H	N	N	N	N/R	N	N	N/R	1	0	0		1	0	0		N	N	N	N	N	N	N	N	N
DEFAOMER	BLEND	E,S,MM	N	N	N	N/R	N	Y	N/R	N/R	N/R	N/R		N/R	N/R	N/R		N	N	N	N	N	N	N	N	N
ALKOXY SILANES	BLEND	1	N	N	N	N/R	N/R	N/R	1	1	0	0		N/R	N/R	N/R		N	N	N	N	N	Ν	N	N	N

														STATE LIST													
PRODUCT	CHEMICAL	TRANSPOR	TATION INFO	RMATION		INTERNATIONAL INVENTORIES										DELAWARE		FL	MA	MICHIGAN					MINNESOTA		
	ABSTRACT	US	CANADA		US	AUSTRAIL	CAN	NADA	CHINA	EUROPE	JAPAN	PHILLIP	S. KOREA	PROP	HAZ	AIR QUAL. M	IGT LIST	TOXIC	HAZARD	REPORT					F	AZ SUBSTANC	CE
	#	DOT	TDG		TSCA	AICS	DSL	NDSL	SEPA	EINECS	MITI	PICCS	ECL	65	LIST	DRQ	STATE	SUB	SUB	CODE	CLASS	CLASS	CLASS	CLASS	CODE	HAZARD	CARCIN
WATER	7732-18-5	N	N		N	N								N	N	N	N	N	N	N	N	N	N	N	N	N	N
URETHANE RESIN	BLEND	N	N		Y	Y	Y	N/R	Y	Y	Y	Y	Y	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
WETTING AGENTS	BLEND	N	N		Y	N/R	Y	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
DEFAOMER	BLEND	N	N		Y	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
ALKOXY SILANES	BLEND	N	N		Y	N/R	Y	N/R	N/R	Y	N/R	N/R	N/R	N	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
						1						1									1						

1	1																				
PRODUCT	CHEMICAL			NEW JERSE	(NEW YOR	< .		PA		WASHINGTON								
	ABSTRACT EXTRODINARY HAZARDOUS SUBSTANCES							RQ	NOTE	E	s	х	TWA	TWA	STEL	STEL	CEILING	CEILING	SKIN	POLUT	
	#	EPA THR	NJ THR	GROUP	TABLE	BASIS	AIR	LAND					PPM	MG	PPM	MG	PPM	MG		LBS	
WATER	7732-18-5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
URETHANE RESIN	BLEND	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	
WETTING AGENTS	BLEND	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	
DEFAOMER	BLEND	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	
ALKOXY SILANES	BLEND	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	