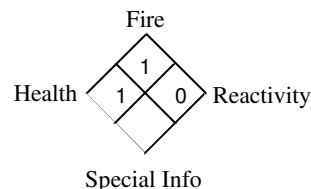


WHMIS Code

N/A
None

Material Safety Data Sheet

Zurich Shield Paint Sealant Renewer



Section 1 - Material Identification and Use

Manufacturer's Name..... **APS**
 Manufacturer's Address..... 7455 FM 3009 Schertz TX 78154
 Emergency Phone Number..... INFOTRAC 1-800-535-5053 24 Hours Per Day, 7 Days Per Week
 Supplier Name and Identifier..... **Zurich Shield**
 Supplier's Address..... 7455 FM 3009 Schertz TX 78154
 MSDS Prepared By Ronnie L. Meadows (210) 564-3200
 Trade Name..... **Zurich Shield Paint Sealant Renewer**
 Product Use..... Brings back sealant to original condition

Section 2 - Hazardous Ingredients of Material

No.	Chemical Identity	Concentration	CAS	PEL	TLV	STEL	IDLH
1	Water	Trade Secret	7732-18-5				
3	Naphthenic Solvent	Trade Secret	8030-30-6				
4	Low Odor - Kerosene	Trade Secret	8008-20-6	400			
5	Organic Emulsion	Trade Secret	Mixture				
6	Poly (Dimethylsiloxane)	Trade Secret	63148-62-9				
7	Diethanolamine	Trade Secret	111-42-2				
9	Isopropyl alcohol	Trade Secret	67-63-0	400	400	500	2000
10	Calcined Kaolin Clay	Trade Secret	66402-68-4	5	5	10	

NA = Not Applicable ND = No Data Available < = Less Than > = More Than * Ceiling Value ** Chemical Believed to be a Potential Carcinogen (NIOSH)

Section 3 - Hazardous Identification

EYE	<input checked="" type="checkbox"/>	This chemical may affect the eye or visual capacity	WHMIS Warning: <div style="text-align: center;">None</div>
SKIN	<input checked="" type="checkbox"/>	This chemical may affect the dermal layer of the body	
LUNGS	<input checked="" type="checkbox"/>	This chemical may irritate or damage pulmonary tissue	
NERVOUS SYSTEM	<input type="checkbox"/>	This chemical may produce a toxic affect on the nervous system	
REPRODUCTIVE	<input type="checkbox"/>	May affect reproductive capabilities including mutations and effects on the fetus.	
BLOOD	<input type="checkbox"/>	This chemical may act on the blood or hematopoeitic system; decrease hemoglobin function; deprive tissue of oxygen	
LIVER	<input type="checkbox"/>	This chemical may produce liver damage - Hepatotoxins	
KIDNEYS	<input type="checkbox"/>	This chemical may produce kidney damage - Neprotoins	

Section 4 - First Aid Measures

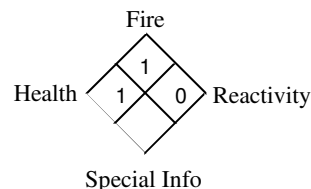
INGESTION	<input checked="" type="checkbox"/>	DO NOT induce vomiting. Rinse mouth with water and give plenty of milk. Never give liquids to an unconcious victim - Seek Immediate Medical Attentio
EYE CONTACT	<input checked="" type="checkbox"/>	Flush immediately with plenty of water for at least 15 minutes - Seek Medical Attention
SKIN CONTACT	<input checked="" type="checkbox"/>	Wash thoroughly with soap and water - Seek Medical Attention if irritation persists
INHALATION	<input checked="" type="checkbox"/>	Remove to fresh air. If breathing is difficult give oxygen - If not breathing give artificial respiration -Get Medical Attention
SPECIAL	<input type="checkbox"/>	None Identified

WHMIS Code

N/A
None

Material Safety Data Sheet

Zurich Shield Paint Sealant Renewer



Section 5 - Fire-Fighting Measures

Flashpoint F	219.2	Upper Explosion Limit	Not Determined	Extinguishing Media <input type="radio"/> DO NOT USE WATER	Carbon dioxide, dry chemical, water fog, water spray, foam.
Flashpoint C	104	Lower Explosion Limit	Not Determined		
		Auto-Ignition Temp.	Not Determined		
Special Fire Fighting Procedures	Use self contained breathing apparatus when fighting large fires.				

Section 6 - Accidental Release Measures

Spill and Leak Requirements: Small leaks-mop up, wipe up, or soak up immediately. Large spills-contain material and ventilate area. Do not dump into sewers, on the ground, or into any body of water.

Section 7 - Handling and Special Storage

Handling and Special Storage	Keep containers closed when not in use. Store in a cool place with adequate ventilation. Storage location should be constructed for containment and dilution/neutralization of spills.
Additional Storage Requirements	

Section 8 - Exposure Controls and Personal Protection

Eye Protection	Wear approved eye protection to safeguard against potential eye contact, irritation or injury. Use chemical goggles if material is to be sprayed.
Skin Protection	Wear chemical resistant gloves, suits, aprons, and boots to safeguard against potential skin contact, irritation or injury.
Comments	None needed with proper engineering controls. Use when concentrations exceed the PEL/TLV. Maintain ventilation to keep vapor concentration below the PEL/TLV.

Section 9 - Physical and Chemical Properties

Physical State	Paste	Evaporation Rate	1
Odor and Appearance	Blue - Slight hydrocarbon odor	Boiling Point	104 C
Specific Gravity	0.9916	Freezing Point	Not Determined
Vapour Pressure	Not Determined	pH	6.5
Vapour Density	1	Density (g/ml)	Not Determined

Section 10 - Stability and Reactivity

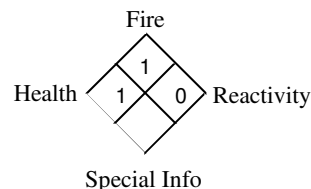
Stability	<input checked="" type="radio"/> Material is Stable <input type="radio"/> Material is NOT Stable	
Incompatibility	Strong Oxidizing Material	
Hazardous Decomposition Products	Thermal decomposition may yield carbon monoxide and/or carbon dioxide	
Hazardous Polymerization	<input type="radio"/> May Occur <input checked="" type="radio"/> Will NOT Occur	

WHMIS Code

N/A
None

Material Safety Data Sheet

Zurich Shield Paint Sealant Renewer



Section 11 - Toxicological Information

Acute Over Exposure Effects	Not Determined
Chronic Over Exposure Effects	Not Determined
Eye Contact	May include cloudy appearance of the cornea, chemical burns, pain, tearing, ulcers, impaired vision or loss of vision.
Skin Contact	May cause redness, swelling, itching, pain, blistering, ulceration, sloughing, and scar formation. Chemicals may be absorbed through the skin.
If Inhaled	May cause irritation of the upper respiratory area which may include soreness of the nose and throat, coughing and sneezing. Signs of overexposure may include difficulty breathing, wheezing, tightness in chest, congestion, and coughing up of blood.
If Swallowed	May cause damage to gastrointestinal tissue which may include pain, vomiting, nausea, abdominal tenderness, burns of mouth, difficulty swallowing, blood in vomitus, blood in feces, and ulceration.

Section 12 - Ecological Information

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Section 13 - Disposal Considerations

Dispose in accordance with local, state, and federal regulations.

Section 14 - Transportation Information

Ship as per DOT requirements in 49 CFR. Ship in accordance with local, state, and federal regulations.
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Section 15 - Regulatory Information

No.	Chemical Identity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Water																						
3	Naphthenic Solvent																						
4	Low Odor - Kerosene										+												X
5	Organic Emulsion																						
6	Poly (Dimethylsiloxane)																						
7	Diethanolamine		X	1*								X		X		X	X			X	X		
9	Isopropyl alcohol						X					X								X		X	
10	Calcined Kaolin Clay																						

(1) EHS-RQ (2) CERCLA (3) RQ (4) CAA 122r (5) TPQ (6) FIFRA (7) RCRA Code (8) Cal-CARC (9) Priority Pollutant (10) Cal-Well Monitoring (11) SARA 313 (12) SARA 302 (13) MCL (14) Cal-HOT SPOT (15) Cal-Drinking Water (16) Cal-Toxic Air (17) NESHAP (18) Cal-Prop 65 (19) DOT Inhalation (20) Director's List (21) EPA Air (22) Cal-Reg Pest.

An "X" in Column 11 indicates that this product contains a toxic chemical subject to the reporting requirements of Section 313 of EPCRA (40 CFR 372)

MSDS No.	13	Date Reviewed	4/15/2000	Prepared By	Ronnie L. Meadows
Trade Name	Zurich Shield Paint Sealant Renewer	Supersedes	2/20/1997	Phone Number	(210) 564-3200

TLV - Threshold Limit Value. An estimate of the average safe airborne concentration of a substance in representative conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect. TLVs are published annually by the ACGIH (American Conference of Governmental Industrial Hygienists).
 PEL - Permissible Exposure Limit. The OSHA limit of employee exposure to chemicals; found primarily in 29 CFR 1910.1000.
 STEL - Short Term Exposure Limit. The maximum concentration for a continuous 15-minute exposure period.
 IDLH - Immediately Dangerous to Life and Health. The concentration of a airborne chemical which may cause irreversible health effects or death.
 Ceiling - The maximum allowable concentration to which an employee may be exposed.

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