



MATERIAL SAFETY DATA SHEET

RICHARD'S PAINT COMPANY
PROD. #290

DATE PRINTED: 03/13/2014
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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: #290
PRODUCT NAME: ROOF SHIELD ELASTOMERIC ROOF COATING – WHITE
MANUFACTURER'S NAME: RICHARD'S PAINT COMPANY
200 PAINT STREET
ROCKLEDGE, FL 32955

Telephone Numbers and Websites:

Product Information	(800)-432-0983 www.richardspaint.com
Medical Emergency – ChemTrec	(800)-434-9300
* Transportation Emergency – ChemTrec	(800)-434-9300
<i>* for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)</i>	

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Component / Occupational Exposure Limits	CAS No.	% By Weight	
Titanium Dioxide	No Exposure Limits Established	13463-67-7	5.80
* ETHYLENE GLYCOL	OSHA VPEL: 50 ppm - CEILING ACGIH TLV: 100 mg/m ³ - Aerosol Ceiling	107-21-1	1.98

SECTION 3 – HAZARDOUS IDENTIFICATION

SIGNAL WORD: None

HMIS CODES

Health	2
Flammability	
Reactivity	0
Personal Protection	B

HEALTH AND PHYSICAL IDENTIFICATION

Coating contains no physical or health hazards.

ROUTES OF EXPOSURE	TARGET ORGANS
Inhalation: Yes	Blood: No
Skin Contact: Yes	Eyes: Yes
Eye Contact: Yes	Kidneys: No
Ingestion: Yes	Liver: No
	Lungs: Yes
	Central Nervous System: No
	Reproductive: No
	Skin: Yes

EFFECTS OF OVEREXPOSURE

INHALATION: May cause irritation of the respiratory tract.
SKIN: This product may cause skin irritation.
EYES: Avoid contact with eyes. Contact with eyes may cause irritation.
INGESTION: May be harmful if swallowed.
OTHER: No data found.

SECTION 4 – FIRST AID MEASURES

INHALATION:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Get medical attention.
SKIN CONTACT:	Remove and wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water. If irritation occurs, seek medical attention.
EYE CONTACT:	In case of eye contact, flush the eyes with water for 15 minutes. If contact lenses are worn, quickly remove them then flush the eyes with plenty of water. If irritation persists, have a physician examine the eyes.
INGESTION:	Seek immediate medical attention. Do not induce vomiting. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs.
NOTE TO PHYSICIAN:	Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point:	N/A	Method Used:	N/A
Explosion Limits:			
Lower (LEL):	No Data Found		
Upper (UEL):	No Data Found		

**FLAMMABILITY
CLASIFICATION:** N/A

EXTINGUISHING MEDIA: Carbon dioxide (CO₂). Dry chemical. Foam. Water may be ineffective. If area is heavily exposed to fire and if conditions permit, let the fire burn itself out since water may increase the area contaminated. Use dry chemical, CO₂, water spray or "alcohol" foam.

SPECIFIC METHODS: If potential for exposure to vapors or products of combustion exists, wear full fire fighting turnout gear and NIOSH approved self-contained breathing apparatus. In the event of fire, cool containers/tanks with water spray. Keep personnel removed from and upwind of fire.

UNUSUAL 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.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid contact with skin, eyes and clothing. Use appropriate personal protective equipment. For guidance on selection of personal protective equipment see Section 8, "Engineering Controls and Personal Protection Equipment" of this SDS. Ensure adequate ventilation. Remove all sources of ignition, use spark-proof tools and explosion-proof equipment.

ENVIRONMENTAL PRECAUTIONS: Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.

METHODS FOR CLEANUP: Soak up with inert absorbent material. Sweep up and shovel into suitable covered containers. Dispose of according to all applicable federal, state and local regulations. Use non-sparking tools (bronze, aluminum, plastic, wood) to clean up spill.

SECTION 7 – HANDLING AND STORAGE

- HANDLING:** Use only in area provided with appropriate exhaust ventilation. Always open containers slowly to allow any excess pressure to vent.
- STORAGE CATEGORY:** DO NOT FREEZE. Keep container tightly closed. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight. Store on an impermeable floor. Do not store with incompatible materials. See Section 10, "Stability and Reactivity."

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- ENGINEERING CONTROLS:** 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). Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.
- RESPIRATORY PROTECTION:** Local exhaust is recommended to ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. If needed, use a NIOSH/MSHA approved respirator equipped with organic vapor cartridges and P100 filters. For emergencies and unknown concentrations, use supplied-air respiratory protection or a positive pressure, self-contained, breathing apparatus (SCBA).
- HAND PROTECTION:** Wear solvent-resistant gloves (butyl rubber or neoprene). Gloves should be replaced immediately if signs of degradation are observed.
- EYE PROTECTION:** Wear safety glasses with side-shields. If extra protection is required; wear a face-shield over the safety glasses or splash goggles. Face-shields are only effective if worn in addition to safety glasses or splash goggles. An emergency eye wash should be readily available.
- SKIN PROTECTION:** Wear protective clothing if deemed appropriate.
- OTHER DATA:** Good personal hygiene and good housekeeping are important. Spilled material may cause the floor or contaminated area to become slippery.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
VAPOR DENSITY:	Heavier Than Air
ODOR:	Not Significant
DENSITY:	11.71 lb/gl.
SPECIFIC GRAVITY:	1.41
BOILING POINT:	100°C (212°F)
EVAPORATION RATE:	Slower Than Ether
VOC LESS WATER:	66 g/l
PERCENT VOLITILE BY VOLUME:	46.32%
Ph:	Not Determined

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under recommended storage conditions.
INCOMPATIBILITY:	No data found.
HAZARDOUS DECOMPOSITION PRODUCTS:	By fire: Carbon Dioxide, Carbon Monoxide.
HAZARDOUS POLYMERIZATION:	Hazardous polymerization does not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Ingredient	CAS NO.	Oral LD50 Rat	Dermal LD50 Rat	Inhalation LC50 Rat
ETHYLENE GLYCOL	107-21-1	4000 mg/kg	9530 mg/kg	N/A
TITANIUM DIOXIDE	13463-67-7	> 900 mg/kg	> 2000 mg/kg	N/A

CHRONIC TOXICITY:	No data found.
CARCINOGENIC EFFECTS:	IARC's Monograph No.93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."
MUTAGENIC EFFECTS:	No data found.
REPRODUCTIVE TOXICITY:	No data found.

SECTION 12 – ECOLOGICAL INFORMATION

No Data Available.

SECTION 13 – DISPOSAL CONSIDERATIONS

METHOD:	As the US Environmental Protection Agency (EPA), state, regional, and other regulatory agencies may have jurisdiction over the disposal of the waste generated, it is incumbent upon the waste generator to learn of and satisfy all of the waste disposal requirements which affect them. US EPA Hazardous Waste Numbers are applicable to the unadulterated product if it enters the "waste stream".
US EPA HAZARDOUS WASTE NUMBERS:	None

SECTION 14 – TRANSPORT INFORMATION

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

US GROUND (DOT):	Not Regulated for Transportation.
DOT (Dept. of Transportation) HAZARDOUS SUBSTANCES & REPORTABLE QUANTITIES:	Not Regulated for Transportation.
Bulk Containers May Be Shipped As (check reportable quantities):	Not Regulated for Transportation.
CANADA (TDG):	Not Regulated for Transportation.
IMO:	Not regulated by US DOT for domestic ocean transport to Hawaii, Alaska, Puerto Rico, and US territories.
IATA / ICAO:	Not Regulated for Transportation.

SECTION 15 – REGULATORY INFORMATION

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical(s) which are subject the reporting requirements of the Act and 40 CFR Part 372:

CHEMICAL COMPONENT	CAS NO.	% by Weight
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*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

TSCA 12 b: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

CALIFORNIA PROPOSITION 65: No Reportable Data.

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.

NON-WARRANTY: The information presented in this publication is based upon the research and experience of Richard's Paint. No representation or warranty is made, however, concerning the accuracy or completeness of the information presented in this publication. Richard's Paint makes no warranty or representation of any kind, express or implied, including without limitation any warranty or merchantability or fitness for any particular purpose, and no warranty or representation shall be implied by law or otherwise. Any products sold by Richard's Paint are not warranted as suitable for any particular purpose to the buyer. The suitability of any products for any purpose particular to the buyer is for the buyer to determine. Richard's Paint assumes no responsibility for the selection of products suitable to the particular purposes of any particular buyer. Richard's Paint shall in no event be liable for any special, incidental, or consequential damages.

MSDS STATUS: Approved

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