MATERIAL SAFETY DATA SHEET

RICHARD'S PAINT COMPANY
PROD. #1017

DATE PRINTED: 06/19/2014
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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: #1017
PRODUCT NAME: RUST SHIELD ZINC CHROMATE PRIMER
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
* *for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)*	

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Component / Occupational Exposure Limits			CAS No.	% By Weight
ALIPHATIC HYDROCARBON (M. SPIRITS)	OSHA PEL: ACGIH TLV:	500 ppm 100 ppm	8052-41-3	20.1% - 25.0%
AROMATIC HYDROCARBON (NAPHTH)	OSHA PEL: ACGIH TLV: OTHER:	100 mg/M3 100 mg/M3 100 mg/M3	64742-95-6	< 5.0%
Titanium Dioxide		No Exposure Limits Established	13463-67-7	4.49
* ZINC CHROMATE	OSHA PEL: ACGIH TLV:	.1 MG/M3 .01 MG/AL	13530-65-9	1.69
* Xylene	OSHA PEL-TWA: ACGIH TLV: ACGIH TLV-STEL:	100 ppm 100 ppm 150 ppm	1330-20-7	.50
Ethylbenzene			100-41-4	.12
* ETHYLBENZENE	OSHA PEL-TWA: ACGIH TLV-TWA: ACGIH TLV-STEL:	100 ppm 100 ppm 125 ppm	100-41-4	.08

(*) Indicates toxic chemical (s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION 3 – HAZARDOUS IDENTIFICATION

SIGNAL WORD: Danger

HMIS CODES

Health	2
Flammability	2
Reactivity	0
Personal Protection	

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:	Yes
Ingestion:	Yes	Liver:	Yes
		Lungs:	Yes
		Central Nervous System:	Yes
		Reproductive:	Yes
		Skin:	Yes

EFFECTS OF OVEREXPOSURE

INHALATION: Avoid breathing vapors or mists. Symptoms may include coughing, sore throat, labored breathing, and chest pain. Central nervous system depression with nausea, dizziness, headache or stupor.

SKIN: Mildly irritating but not a skin sensitizer. Symptoms may include redness, burning, and swelling of skin.

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 MESURES

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: 103°F **Method Used:** PMCC

Explosion Limits:

Lower (LEL): 1.00%

Upper (UEL): 6.00%

FLAMMABILITY CLASSIFICATION: Combustible. Flash above 99° F and below 200° F.

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: 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. To minimize the possibility of spontaneous combustion: control the accumulation of overspray; soak wiping rags and waste immediately after use in water-filled, closed metal container; air dry filters outside, far from any combustible material and separated by bricks or other non-combustible spacers; dispose of all contaminated materials and waste properly. Consult OSHA 29 CFR 1910.107(b)(5) and NFPA 33, Chapter 8 (8-9) for the proper procedures.

STORAGE CATEGORY: DOL Storage Class II

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).

RESPIRATORY PROTECTION: 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. 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 or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

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 a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material. Safety showers should be readily available.

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

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
VAPOR DENSITY:	Heavier Than Air
ODOR:	N/A
DENSITY:	11.32 lb/gl.
SPECIFIC GRAVITY:	1.36
BOILING POINT:	148 - 201°C (300 - 395°F)
EVAPORATION RATE:	Slower Than Ether
VOC LESS WATER:	399 g/l
PERCENT VOLITILE BY VOLUME:	49.71%
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
ETHYBENZENE	100-41-4	3500 mg/kg	Rabbit 15354 mg/kg	17.2 mg/L 4 h
TITANIUM DIOXIDE	13463-67-7	> 900 mg/kg	> 2000 mg/kg	N/A
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC	64742-88-7	> 5000 mg/kg	Rabbit 3000 mg/kg	> 5.28 mg/L 4 h

CHRONIC TOXICITY: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

CARCINOGENIC EFFECTS: 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. 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: 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 to determine the applicable ERA 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.

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): May be Classed as a Combustible Liquid for U.S. Ground. UN1263, PAINT, 3, PG III, (ERG#128)

DOT (Dept. of Transportation) HAZARDOUS SUBSTANCES & REPORTABLE QUANTITIES: Xylenes (isomers and mixture) 100 lb RQ

Bulk Containers May Be Shipped As (check reportable quantities): UN1263, PAINT, COMBUSTIBLE LIQUID, PG III, (ERG#128)

CANADA (TDG): May be Classed as a Combustible Liquid for Canadian Ground. UN1263, PAINT, 3, PG III, (ERG#128)

IMO: 5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity. UN1263, PAINT, CLASS 3, PG III, (39 C c.c.), EmS F-E, S-E

IATA / ICAO: UN1263, PAINT, 3, PG III

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

*** 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: Warning: This product contains chemicals known to the State of California to cause cancer and birth defects of other reproductive harm.

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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