

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: RED OXIDE PRIMER WATERBASED

TTX SPEC. 68-38-091079

PRODUCT CODE: 20-13562Z

HMIS CODES: H F R P

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SECTION I - MANUFACTURER IDENTIFICATION  
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MANUFACTURER'S NAME: Pruett-Schaffer Chemical Co.

ADDRESS: 3327 Stafford Street Pittsburgh PA 15204

EMERGENCY PHONE: 1-800-633-8253 INFORMATION PHONE: 1-412-771-2000

REVISION DATE: 02/15/05 NAME OF PREPARER: Robert P. Barry

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SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION  
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REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP Deg F	WEIGHT PERCENT
Water	7732-18-5		47.66
Calcium Carbonate, inert filler	471-34-1	0 0	21.83
ACGIH TLV: 10 mg/m3, OSHA PEL: 15 mg/m3, Other TLV: 15 mg TWA			
Acrylic Polymers	NOT AVAIL.	0 0	15.09
OSHA PEL: None established			
Red Iron Oxide, inert pigment	1309-37-1	0 0	8.04
ACGIH TLV: 5 mg/m3, OSHA PEL: 10 mg/m3			
* Calcium Strontium Zinc Phosphosilicate	66402-68-4	0 0	2.70
OSHA PEL: None established			
* Ammonia	1336-21-6	448 15 C	0.09
ACGIH: 25ppm 8hrTWA. OSHA PEL: 50ppm 8hrTWA. NIOSH: 35ppm STEL 15 MIN.			

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

LEGEND: (C)=Ceiling limit; (S)=Skinlimit; (STEL)=Short Term Exposure Limit; (Mppcf)=Million Particles Per Cubic Foot; (TWA)=8 HR Time Weighted Average.

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS  
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BOILING RANGE: n/a SPECIFIC GRAVITY: 1.32  
 VAPOR DENSITY: Heavier than air. EVAPORATION RATE: Slower than ether.  
 COATING VOC: 0.08 lb/gl MATERIAL VOC: 0.03 lb/gl  
 ORGANIC SOLVENT, PERCENT BY WEIGHT: 0.255  
 ORGANIC SOLVENT, PERCENT BY VOLUME: 0.428  
 COATING DENSITY, LB/GAL: 11.029  
 SOLUBILITY IN WATER: Completely.  
 APPEARANCE AND ODOR: Viscous, opaque liquid with an ammonia-like odor.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT: Greater than 141 deg F. METHOD USED: n/a  
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 16 UPPER: 25

EXTINGUISHING MEDIA: Foam, alcohol foam, CO2, dry chemical, water fog.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective clothing. Keep onlookers away. Dike runoff to prevent entry into sewers, storm drains, and watercourses. Notify appropriate state and local agencies.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressure may build up in tightly closed containers exposed to fire which may result in rupture. Keep containers cooled with water spray.

===== SECTION V - REACTIVITY DATA =====

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat, freezing temperatures, corrosive atmospheres or liquids which may damage containers.

INCOMPATIBILITY (MATERIALS TO AVOID): No hazardous reactions are expected to occur under normal industrial conditions.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon dioxide, carbon monoxide, and other toxic gases including traces of styrene and/or acrylamide monomer.

HAZARDOUS POLYMERIZATION: Will not occur.

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Effects vary among individuals and may include nausea and irritation of the nose, throat, and respiratory tract.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Eye contact may cause irritation, redness, and tearing. This material is not expected to be a skin irritant, however, if allowed to remain on the skin a thin film may form which may result in irritation depending on the method of removal.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: While this material has a very low degree of toxicity, ingestion of large amounts can cause gastrointestinal irritation, vomiting, nausea, and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC): Breathing high concentrations of aerosols or mists of this material may cause nausea and irritation of the nose, throat, and respiratory tract. NOTE: this product contains trace amounts of residual butyl acrylate (CAS 141-32-2, TLV = 10 ppm ACGIH, OSHA) and styrene monomer (CAS 100-42-5, TLV = 50 ppm ACGIH) which may be released during processing and storage. At these trace levels, they should present no hazard with normal use.

CARCINOGENICITY: NTP: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Respiratory symptoms associated with pre-existing lung disorders may be aggravated by exposure to this material.

EMERGENCY AND FIRST AID PROCEDURES: INHALATION OVEREXPOSURE: Remove person to fresh air, If breathing stops, apply artificial respiration and seek immediate medical attention. NOTE: Use supplied-air respirator for rescue in enclosed areas. EYE CONTACT: Flush with large amounts of tepid water for at least 15 minutes, get medical attention. INGESTION: Do not induce vomiting, if aspirated material can cause chemical pneumonitis or pulmonary edema. Drink 2 glasses of milk or water to dilute and contact physician or poison center. SKIN: Wash with soap and water, avoid repeated contact.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dike to prevent entry into sewers or surface waters. Recover free liquid by shoveling into container, or add absorbant such as sand or earth to spill and sweep up. Provide ventilation, wear a respirator. Notify proper authorities if spill contaminates land or waterways.

WASTE DISPOSAL METHOD: Dispose of in chemical land fill or incinerate assuring conformity to all applicable local, state, and federal governing regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not expose to direct sun or freezing temperatures, store inside away from extreme temperature variations. Protect containers from physical damage. Keep containers tightly closed when not in use. Do not inhale aerosols or mists, use with adequate ventilation and wear a respirator. Do not store with food or animal feed.

OTHER PRECAUTIONS: Do not cut, weld, grind, drill, solder, or braze on or near containers whether full or empty. Do not reuse containers without professional reconditioning and testing. Do not remove warning labels from containers.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION: Spraying this product in poorly ventilated areas may require the use of a respirator. Use Mine Safety Appliance respirator #448849 with mist filter (or equivalent) if air monitoring demonstrates that the concentration of listed hazardous materials carried by aerosols exceeds recommended TLV's.

VENTILATION: Use good general mechanical ventilation and local exhaust adequate to reduce the concentration of aerosols or mists carrying listed hazardous materials to below the Threshold Limit Value(s).

PROTECTIVE GLOVES: Use of gloves is recommended, use chemically resistant type.

EYE PROTECTION: Use is recommended, use splash goggles or full face shields as necessary.

OTHER PROTECTIVE CLOTHING: Use impervious apron or coveralls to prevent contaminating street clothes which may result in prolonged exposure. The use of head caps or helmets is recommended.

WORK AND HYGIENIC PRACTICES: Eye washes and safety showers in the workplace are recommended. Practice good industrial hygiene when using this product: After using this product, do not smoke or eat until washing thoroughly. Remove saturated clothing or shoes at once and launder before reuse.

===== SECTION IX - MISCELLANEOUS =====

DOT INFORMATION:

DISCLAIMER:

The information and recommendations contained herein were believed to be accurate at the time of preparation or obtained from sources believed to be generally reliable. Direct testing of this product under all conceivable conditions of use has not been done. Information given herein is given in good faith, however Pruett-Schaffer Chemical Corporation makes no warranty concerning its accuracy and will not be held liable for claims relating to any party's use of or reliance on this information.