

SAFETY DATA SHEET

Revision 1
Prepared 2018-07-25

Section 1. Identification

Product Code: 5-AP-1101
Product Name: Aqualize® Industrial Primer
Description: Red Oxide Primer / Water-Base
Product Type: Liquid

Manufactured by:
P.F.I., Inc. - Paints For Industry
9215 Santa Fe Springs Road
Santa Fe Springs, CA 90670
Tel: (562) 946-6666
Fax: (562) 946-4000
Web: www.pfiinc.net

Emergency Telephone:
PERS 24-Hour Hotline: (800) 633-8253

Section 2. Hazards Identification

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the Substance: SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/IRRITATION - Category 2A
CARCINOGENICITY - Category 2
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

GHS Label Elements

Hazard Pictograms:



Signal Word: Warning

Hazard Statements:
H373 May cause damage to organs through prolonged or repeated exposure
H303 May be harmful if swallowed
H305 May be harmful if swallowed and enters airways
H319 Causes serious eye irritation
H332 Harmful if inhaled
H335 May cause respiratory irritation

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves, eye protection, and face protection. Keep container tightly closed and use only outdoors or in well ventilated areas. Wash hands and any contaminated clothing thoroughly after handling.

Response: Seek medical attention if you feel unwell, or are concerned about exposure. If exposed or concerned, seek medical attention.

Storage & Disposal: Store in a locked and secure environment. Store in a cool, well ventilated area away from direct sunlight and heat. Dispose of contents and container in accordance with all local, regional, state, and federal regulations.

Supplemental Label Elements: Ensure adequate ventilation at all times when using this product and when sanding the dried film. Wear an appropriate, NIOSH approved particulate respirator. Follow all respirator manufacturer's directions for proper use. Abrading or sanding this product's dried film may release crystalline silica which has been shown to cause lung damage and may cause cancer following long term exposure. Product contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by concentrating and inhaling the contents of this product can be harmful or fatal. Do not

transfer contents to another container.

PROPOSITION 65 WARNING: this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

FOR INDUSTRIAL USE ONLY.
None known.

Hazards not otherwise
classified:

Section 3. Composition/Information on Ingredients

Chemical Name / CAS No

Talc
14807-96-6
10 to 20%

Calcium Carbonate
1317-65-3
5 to 10%

Ethylene Glycol Monobutyl Ether
111-76-2
1 to 5%
Vapor Pressure: .11 kPa

Diethylene Glycol Monobutyl
Ether
112-34-5
1 to 5%
Vapor Pressure: 0 kPa

Section 4. First Aid Measures

Description of First Aid Measures

- Eye Contact:** Immediately flush eyes with copious amounts of water. Remove any contact lenses. Rinse for at least 10 minutes. Get medical attention. Chemical burns must be treated promptly by a physician.
- Inhalation:** Remove victim to fresh air and maintain in a rest position comfortable for breathing. If fumes are still present, all rescuers should wear appropriate respirators. If victim exhibits irregular breathing, trained personnel should provide artificial respiration or oxygen. Mouth-to-mouth resuscitation may be dangerous. If necessary, contact a poison control center or physician immediately. If victim is unconscious, place in a recovery position and seek medical help immediately. Maintain an open airway for the victim.
- Skin Contact:** Wash affected areas with soap and water. Remove contaminated clothing and shoes. Continue to rinse the affected area for at least ten minutes. Get medical attention if discomfort continues. Avoid further exposure in the event of any symptoms or complaints.
- Ingestion:** If product is ingested, contact a poison control center or a physician immediately. Do not induce vomiting. Rinse mouth with water and remove dentures, if any. Remove victim to fresh air and keep at rest in a comfortable position to facilitate breathing. If the victim is conscious and the product has been swallowed, provide small quantities of water to drink. Cease if the victim feels sick, as vomiting may be dangerous. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never administer anything by mouth to an unconscious person. If unconscious, place in a recovery position while medical attention is sought. Maintain an open airway for the victim.

Potential Acute Health Effects

- Eye Contact:** Causes serious eye irritation.
- Inhalation:** Can cause central nervous system depression. May cause drowsiness and dizziness as well as respiratory irritation.
- Skin Contact:** No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Over-Exposure Signs & Symptoms

Eye Contact: Adverse symptoms may include: pain or irritation, watering, redness.

Inhalation: Adverse symptoms may include: respiratory tract irritation, coughing, nausea or vomiting, headache, drowsiness or fatigue, dizziness or vertigo, unconsciousness.

Skin Contact: Adverse symptoms may include: irritation, redness.

Ingestion: Adverse symptoms may include: nausea, vomiting.

Indication of immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically. Contact poison treatment specialists if large quantities have been ingested or inhaled.

Specific Treatments: None specified.

Protection of First Aid Providers: No action should be taken involving any personal risk or without proper training. If fumes are still present, rescuers should wear appropriate respirators or a self contained breathing apparatus. Mouth-to-mouth resuscitation may be dangerous for the first aid provider. Wash all contaminated clothing with soap and water before removal.

Section 5. Fire Fighting Measures

Extinguishing Media

Suitable Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Media: None known.

Specific Hazards: In a fire, or if heated, containers may burst due to increased pressure.

Special Firefighting Procedures: Firefighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

Section 6. Accidental Release Measures

Environmental Precautions: Avoid dispersal of spilled material and runoff from contacting soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Steps to be Taken if Material is Released or Spilled: Contain spilled liquid with sand or earth. Place material in a container and dispose of according to local, regional, state, and federal regulations. Ventilate area and remove product with absorbent.

Small Spills: Stop leak if doing so can be done without risk. Remove containers from spill area. Dilute with water and mop up if water-soluble. If not water-soluble, absorb with dry material and place in appropriate waste container. Dispose of via a licensed waste disposal contractor.

Large Spills: Stop leak if doing so can be done without risk. Remove containers from spill area. Prevent entry into sewers, waterways, basements, or confined areas. Wash spillages into an effluent treatment plant or proceed as follows: contain and collect spillage with absorbent materials and place in a container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. See Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and Storage

Handling: Wash thoroughly after handling. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Wash hands and face before eating or drinking. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied, as it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin, and clothing.

Storage: Store in a dry, cool, well ventilated place. Keep container tightly closed while not in use. Isolate from heat, electrical equipment, sparks, and open flame. Do not store

Section 8. Exposure Controls/Personal Protection

<u>Chemical Name / CAS No</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
Talc 14807-96-6 10 to 20%	20 mppcf	2 mg/m3	
Calcium Carbonate 1317-65-3 5 to 10%	15 mg/m3	10 mg/m3	
Ethylene Glycol Monobutyl Ether 111-76-2 1 to 5% Vapor Pressure: .11 kPa	50 ppm	20 ppm	
Diethylene Glycol Monobutyl Ether 112-34-5 1 to 5% Vapor Pressure: 0 kPa	50 ppm	20 ppm	

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters, and other engineering modifications to the process equipment may be required to reduce emissions to acceptable levels.

Respiratory Protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respiratory protection programs that meet OSHA 1910.134 and ANSI Z88.2 requirements must be followed when workplace conditions warrant a respirator's use. A NIOSH/MSHA approved respirator with an organic vapor cartridge may be permissible under circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure, air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or in any circumstances where air purifying respirators may not provide adequate protection.

Skin Protection: Use impervious, chemical resistant gloves to prevent prolonged skin contact and absorption of material through the skin. Nitrile or neoprene gloves may afford adequate protection. Personal protective equipment for the body should be selected based on the task being performed and the risks involved, and should be approved by a specialist before handling this product. Where there is a risk of ignition from static electricity, wear anti-static protective clothing. For best protection, the clothing should include anti-static boots, gloves, and overalls. Appropriate footwear should always be used.

Eye Protection: Safety eyewear, such as splash goggles or a full face shield, should be worn at all times to protect against splashes of liquids.

Hygienic Measures: Wash thoroughly with soap and water before eating, drinking, or smoking. Remove contaminated clothing immediately and launder before reuse.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Odor:	Solvent odor
Vapor Density	Heavier than air

Vapor Density	4.56
Vapor Pressure	10 mmHg
Evaporation Rate	Slower than ether
Boiling Range	171 to 230 C
Specific Gravity (SG)	1.218
Material VOC (Lb / Gal)	0.71
Material VOC (g / L)	84.95
Coating VOC (Lb/Gal)	1.39
Coating VOC (g/L)	166.47
Flash Point:	>94 Celsius (>200 Fahrenheit)
Autoignition:	Not available
LEL:	0.9 %
UEL:	24.6 %
Partition Coefficient, n-octanol/water:	Not available
Auto-ignition temperature:	Not available

Section 10. Stability and Reactivity

Conditions to Avoid:	Avoid temperatures above 120 degrees Fahrenheit. Avoid contact with strong acid and strong bases.
Incompatibility:	No specific data.
Hazardous Decomposition:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous Polymerization:	Will not occur under normal conditions.
Stability:	The product is stable.

Section 11. Toxicological Information

Effects of Over-Exposure

Eye Contact:	Causes eye irritation.
Skin Contact:	Prolonged or repeated skin contact may cause irritation. Allergic reactions are possible.
Inhalation:	Harmful if inhaled. High gas, vapor, mist, or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. May cause headaches and dizziness. High vapor concentrations are irritating to the eyes, nose, throat, and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Chronic Hazards:	High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, blurred vision) and damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Contains carbon black pigment. Chronic inflammation, lung fibrosis, and lung tumors have been observed in experimental tests involving rats exposed to excessive concentrations of carbon black and several insoluble dust particles for long periods of time. Tumors have not been observed in other species under similar circumstances. Epidemiological studies of North American workers show no evidence of clinically significant negative health effects from occupational exposure to carbon black. Carbon black is listed as a Group 2B - Possibly Carcinogenic to Humans, by IARC and is proposed to be listed as A4 - Not Classified as a Human Carcinogen by the American Conference of Governmental Industrial Hygienists. Significant exposure is unlikely during typical application of this product by roller or brush. Risk of overexposure depends on the duration and level of exposure to dust from such processes as repeated sanding of dried surfaces, or inhalation of spray mist, and the actual concentration of carbon black in the product formula.

Product contains titanium dioxide, which is listed as a Group 2B - Possibly Carcinogenic to Humans by IARC. No significant exposure to titanium dioxide is anticipated while using this product, in which titanium dioxide is bound to other materials including resin and other pigments, during brush or rolling application. Overexposure risks depend on duration and level of exposure to dust, such as from repeated sanding of this product's dried film, or inhalation of spray mist, and the actual concentration of titanium dioxide in the product formula. For additional information, refer to IARC Monograph, Volume 93, 2010.

Primary Routes of Entry: Eye contact, ingestion, inhalation, absorption through the skin, skin contact.

Acute Toxicity Values: Acute effects of this product have not been tested. Available data on individual components, if any, will be listed below.

Section 12. Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13. Disposal Information

Disposal Considerations: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any by-products should at all times comply with relevant environmental protection regulations and waste disposal regulations, in addition to any local or regional restrictions which may be in effect. Surplus and non-recyclable products should be disposed of via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled whenever possible. Incineration or landfill should only be considered when recycling is not feasible. Take care when handling empty containers as they may retain some residual product. Avoid contact of spilled material with soil, waterways, drains, and sewer systems.

Section 14. Transport Information

	<u>Domestic (US DOT)</u>	<u>International (IMDG)</u>	<u>Air (IATA)</u>	<u>Canada (TDG)</u>
UN Number:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
UN Shipping Name:	-	-	-	-
Hazard Class:	-	-	-	-
Packing Group:	-	-	-	-
Limited Quantity:	-	-	-	-

Special Considerations: The presence of a shipping description for a particular mode of transport does not indicate that the product is packaged suitably for that mode of transport. All packaging should be reviewed for suitability prior to shipment, so that compliance with applicable regulations can be ensured. Compliance with all applicable regulations is the sole responsibility of the person offering the product for transport. Persons loading and unloading dangerous goods should be trained in all the risks associated with the substances at hand, and on all actions to be taken in case of an emergency situation.

Section 15. Regulatory Information

U.S. Federal Regulations

CERCLA - SARA Hazard Category:

This product has been reviewed according to the EPA hazard categories promulgated by Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986, known as SARA Title III, and is considered to meet the following categories under applicable conditions:

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 as well as 40 CFR Section 372:

- 112-34-5Diethylene Glycol Monobutyl Ether 1.0 - 5%
- 111-76-2Ethylene Glycol Monobutyl Ether 1.0 - 5%

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

- None

State Regulations

California Proposition 65:



WARNING: This product can expose you to chemicals including titanium dioxide, carbon black, and di-n-butyl phthalate, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

International Regulations

Canadian WHMIS:

This SDS has been prepared in accordance with Controlled Product Regulations except for the use of the 16 headings.

Section 16. Other Information

HMIS Rating

HEALTH	*	2
FLAMMABILITY		1
REACTIVITY		0
PERSONAL PROTECTION		J

NON-WARRANTY: The information contained herein is based on the data available to us at the time of publication and is believed to be correct. The addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are beyond our control, P.F.I., Inc. makes no warranty, express or implied, regarding the accuracy of these data or the results to be obtained from the use thereof, and further makes no warranty or representation, express or implied, including without limitation any warranty of merchantability or fitness for a particular purpose, and no warranty or representation shall be implied by law or otherwise. Any products sold by P.F.I., Inc. 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. P.F.I., Inc. disclaims responsibility for damage of any kind resulting from this information or this product.