

Safety Data Sheet

Prepared according to Federal Register / vol. 77, No. 58/ Monday, March 26, 2012 / Rules and Regulations

for

Water Based Coating Materials

Section 1 - Company & Product Identification

Product Name: Water Borne Epoxy Primer Part A Product Code: WE2K-720-A Full

Trade Name: MIL-DTL-53030 Component A

Manufactured by:

Spectrum Coatings Laboratories, Inc.
217 Chapman Street
Providence, RI 02905
ph:401-781-4847
fax:401-781-1075
web: spectrumcoatings.us
email: paintman97@gmail.com

Emergency Contact Information:

Daytime Information: 8:00am - 4:30pm EST
401-781-4847

24 Hour Emergency Contact:
Chemtrec - 800-424-9300
International: +1 703-527-3887
Emergency Information Only

Product Use: Professional Industrial and Commercial Spray Painting

Not recommended for: Commodity General Public Use

Section 3 - Hazards Identification

GHS Ratings:

Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: >= 1.5 < 2.3
Skin sensitizer	1	Skin sensitizer

GHS Hazards

H316	Causes mild skin irritation
H317	May cause an allergic skin reaction

GHS Precautions

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P321	Specific treatment (see Section 4 and 11 of SDS)
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P501	Dispose of contents/container to suitable waste stream in accordance with local, regional, national, and international regulations.

Signal Word: Warning



Section 2 - Hazardous Ingredient Information

Chemical Name	CAS number	Weight Concentration %
Water	7732-18-5	20.00% - 30.00%
Bisphenol-A, Epichlorohydrin	25036-25-3	20.00% - 30.00%
Proprietary Orthophosphate Silicate Hydrate	Anti-Corrosive Pigment	5.00% - 10.00%
Calcium Silicate	10101-39-0	5.00% - 10.00%
Titanium Dioxide	13463-67-7	5.00% - 10.00%
Ceramic Microspheres	66402-68-4	5.00% - 10.00%
Calcium Magnesium Silicate Hydrate	14807-96-6	5.00% - 10.00%
Barium Sulfate	7727-43-7	1.00% - 5.00%
1-Methoxy-2-Propanol	107-98-2	1.00% - 5.00%
Phenylmethyl Alcohol	100-51-6	1.00% - 5.00%
Non-Hazardous Resin Solids	Resin	1.00% - 5.00%

Section 4 - Emergency First Aid Measures

Inhalation: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Eye Contact: If symptoms develop, move individual away from exposure, and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or if there is any visual difficulty, seek immediate medical attention.

Skin Contact: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Note to Physician: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: lung (ie; asthma-like conditions), skin (redness or rash-like symptoms, irritation)

Section 5 - Fire Fighting Measures

Flash Point: 100 C (212 F)

LEL: 2.00

UEL: 11.00

Extinguishing Media: Use water, foam, Carbon Dioxide, or Dry Chemical fire fighting apparatus.

Unusual Fire & Explosion Hazards: This water based solution is non-flammable however, in a fire situation vapors that are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames, or other ignition sources at locations distant from material handling area. Never use welding or cutting torch on or near containers even when empty, as product and/or product residue can ignite explosively.

Hazardous Products of Combustion: May form oxides of carbon, and nitrogen.

Special Fire Fighting Procedures: Treat all fires as chemical in nature. The use of water may be suitable as an extinguishing media, but will be helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.

Fire Fighting Equipment: Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA), and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

Section 6 - Accidental Release Measures

Spill and Leak Procedures: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

Small Spills: Ventillate area, and keep sources of ignition and hot metal surfaces isolated from the spill . Absorb liquid using vemiculite, sawdust, speedy-dry, or other suitable floor absorbant material . Use only non-sparking tools to collect and transfer to a suitable container for disposal in accordance with local, and federal regulations.

Large Spills: Eliminate all ignition sources, and ventilate area. Persons not wearing protective wequipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, and prevent material from entering drains, sewers, streams or other bodies of water. Dike spill area with suitable absorbant material or chemical booms to limit spreading. If run-off occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product, and transfer contaminated absorbent, soil and other materials to containers for disposal in accordance with local, state, and federal regulations. Note; use only non-sparking equipment to clean up spills.

Section 7 - Handling and Storage Conditions

Handling Precautions: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers dry and closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Sufficeintly ground container when transferring material from one container to another.

Emergency eyewash fountains and safety showers should be available in the immediate vicinity of potential exposure. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperatures and pressures, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Any use of this product in elevated temperature, pressurized, or vacuum process should be thoroughly evaluated to establish and maintain safe operating conditions.

Storage Requirements: Store this material in tightly sealed original containers only, in a segregated area with adequate ventilation to prevent a build-up of "fumes" that could pose a safety hazard with regard to personal exposure and fire. Keep all sources of ignition away from storage area, and store material at temperatures between 50 to 80 degrees F.

Section 8 - Exposure Controls & Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Water 7732-18-5	OELs not established	OELs not established	Not Established
Bisphenol-A, Epichlorohydrin 25036-25-3	OELs not established	OELs not established	Not Established
Proprietary Orthophosphate Silicate Hydrate Anti-Corrosive Pigment	PEL 10mg/m3 - TWA (total dust) PEL 5mg/m3 - TWA (respirable dust)	Not Established	Not Established
Calcium Silicate 10101-39-0	PEL- 15mg/m3 total dust 5 mg/m3 respirable fraction	TWA - 10mg/m3 total dust 3 mg/m3 respirable fraction	Not Established
Titanium Dioxide 13463-67-7	PEL 15mg/m3 - TWA (total dust)	TLV 10mg/m3 - TWA (total dust)	Not Established
Ceramic Microspheres 66402-68-4	OELs not established	OELs not established	Not Established

Calcium Magnesium Silicate Hydrate 14807-96-6	PEL - 20 mppcf - TWA (if 1% Quartz or more, use Quartz limit) VPEL- 2 mg/m3 - TWA (respirable dust)	TLV 2 mg/m3 - TWA (respirable fraction)	Not Established
Barium Sulfate 7727-43-7	PEL 15 mg/m3 TWA (total dust) PEL 5 mg/m3 TWA (respirable fraction)	TLV - 10 mg/m3 TWA	Not Established
1-Methoxy-2-Propanol 107-98-2	VPEL 100ppm - TWA VPEL 150ppm - STEL	TLV 50ppm - TWA TLV 100ppm - STEL	Not Established
Phenylmethyl Alcohol 100-51-6	None Assigned	None Assigned	PEL 25ppm - TWA
Non-Hazardous Resis Solids Resin	Not Established	Not Established	Not Established

Engineering Controls: Ensure that any processing ovens are vented to prevent the introduction of fumes into the workplace, and to prevent a build up of fume within the oven. Use only explosion proof equipment, and ground containers and transfer equipment. Use only chemically resistant transfer equipment, and measuring containers.

Recommended Ventilation: General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted averages. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required.

Eye Protection: The use of safety glasses, chemical goggles, and/or face shields are recommended to safeguard against potential eye contact, irritation, or injury. The availability of eye wash stations when using this product is highly recommended.

Skin Protection: The use of chemical resistant gloves is recommended to prevent repeated or prolonged contact with the skin. Wear impervious clothing and boots. The use of chemical aprons is advised when working with and/or transferring these materials. The availability of safety showers in work areas is recommended.

Respiratory Protection: If workplace exposure limits of product or any component is exceeded, the use of a NIOSH/MSHA respirator will be necessary. In general the use of an organic vapor cartridge with a dust/mist pre-filter will be sufficient. In the absence of proper environmental controls, a NIOSH/MSHA approved air supplied respirator is advised.

Contaminated Equipment: Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 9 - Physical & Chemical Properties

This mixture typically exhibits the following properties under normal circumstances.

<p>Appearance Viscous liquid either colored or milky depending on product.</p> <p>Physical State Liquid</p> <p>Evaporation Rate Slower than ether.</p> <p>% Volume Volatile 48.71</p> <p>Formula Lb / Gal 11.95</p> <p>gms VOC/Liter Less Water 72</p>	<p>Odor Strong solvent/ammonia type odor.</p> <p>Vapor Density Heavier than air.</p> <p>Boiling Range 100 to 207 °C</p> <p>Specific Gravity (SG) 1.432</p> <p>Lbs VOC/Gallon Less Water 0.60</p>
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Section 10 - Reactivity Data

Components of this mixture may be incompatible with various materials, and will fume certain combustion products. It is recommended that only Spectrum's authorized materials are combined with Spectrum's finished products.

STABLE

The following incompatibilities may exist with components of this product.

Strong oxidizing agents, acids, and alkali/base/caustic solutions, and heat.

Non-reactive material.

Strong oxidizing agents

Mineral acids and strong oxidizers

Thermal decomposition in the presence of air may yield the following;

Oxides of carbon, such as carbon dioxide & carbon monoxide.

Material will ash when exposed to extremely high temperatures and flame.

May form: aldehydes, carbon dioxide and carbon monoxide, ketones, organic acids.

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

IF NO DATA IS AVAILABLE, THIS SECTION WILL BE BLANK

Mixture Toxicity

Component Toxicity

25036-25-3	Bisphenol-A, Epichlorohydrin Oral LD50: 2,000 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rat)
107-98-2	1-Methoxy-2-Propanol Oral LD50: 4,016 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbit) Inhalation LC50: 25 mg/L (Ra)
100-51-6	Phenylmethyl Alcohol Oral LD50: 1,040 mg/kg (rat) Dermal LD50: 2,000 mg/kg (rabbit)

Primary Routes of Entry:

Inhalation Skin Contact Eye Contact Ingestion

Target Organs:

Eyes Kidneys Liver Lungs Central Nervous System Skin

Effects of Overexposure

Inhalation	Inhalation of mica may cause possible difficulty in breathing and a persistent cough . Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symtoms usually occur at air concentrations higher than the recommended exposure limits. Inhalation of high concentrations may cause mechanical irritation and discomfort. Repeated overexposure can cause chronic effects. These effects are only from talc dust itself as an airborne particle .
Skin Contact	No data found. May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use . Not a primary skin irritant, not absorbed through skin.
Eye Contact	No data found. Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Not a primary eye irritant, mechanical irritation only.
Ingestion	No data found. Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury. Unlikely to be toxic by ingestion.

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: mouth and throat irritation, stomach or intestinal upset, irritation of the nose, throat & airways, central nervous system depression, high blood sugar, coma. Prolonged exposure to excessive airborne concentrations of talc can result in scarring of the lungs (pneumoconiosis) or of the covering of the lungs (pleural thickening). Pneumoconiosis may produce symptoms of cough or shortness of breath. Pleural thickening usually produces no symptoms. Conditions can be determined by chest radiographic examination and pulmonary function test (FEV & FVC). Bronchial irritation may cause sputum production.

Target Organ Effects

This material shortens the time of onset or worsens the liver and kidney damage induced by other chemicals. Overexposure to this material has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, blood abnormalities. No Data

Cancer Information

Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is NOT listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration. Talc may contain trace amounts of quartz (crystalline silica). Overexposure to respirable crystalline silica dust can cause silicosis, a form of progressive pulmonary fibrosis. "Inhalable" crystalline silica is listed by IARC as a Group I carcinogen (lung) based on "sufficient evidence" in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a substance reasonably anticipated to be a carcinogen. Some human studies have not demonstrated a cancer association and considerable controversy exists.

This talc has been tested as a whole and in parts in several animal studies with no carcinogenic association demonstrated. Epidemiologic studies in humans have been interpreted in conflicting ways with no clear evidence of an increased risk in lung tumors in association with exposure. Human, animal and in-vitro tests of basic product ingredients do not show a carcinogenic effect. All talc is of the non-asbestos form.

Note: These effects and tests have only been as a result of the raw respirable dust, and not when incorporated as a component of another material.

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

Section 12 - Ecological Information

IF NO DATA IS AVAILABLE, THIS SECTION WILL BE BLANK

Component Ecotoxicity

Section 13 - Waste Disposal Considerations

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

Section 14 - Transportation Information

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Non-Hazardous Water Base Paint	Not Reg.		

Section 15 - Regulatory Information

Other regulatory information is listed where applicable.

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

13463-67-7 Titanium Dioxide 5 to 10 %

Commonwealth of Massachusetts "Right to Know": This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:

Phenylmethyl Alcohol 1 to 5 %
1-Methoxy-2-Propanol 1 to 5 %
Barium Sulfate 1 to 5 %
Calcium Magnesium Silicate Hydrate 5 to 10 %
Titanium Dioxide 5 to 10 %

New Jersey Worker and Community Right To Know Hazardous Substance List: The following substances appear on the New Jersey Right To Know Hazardous Substance List.

1-Methoxy-2-Propanol 1 to 5 %
Barium Sulfate 1 to 5 %
Calcium Magnesium Silicate Hydrate 5 to 10 %
Titanium Dioxide 5 to 10 %

Commonwealth of Pennsylvania Worker and Community Right-To-Know Act: This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:

100-51-6
107-98-2
7727-43-7
14807-96-6
13463-67-7

Country

Regulation

All Components Listed



EU Risk Phrases

R43: May cause sensitisation by skin contact
R36/38: Irritating to eyes and skin
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety Phrase

S23: Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)
S24: Avoid contact with skin
S37: Wear suitable gloves
S51: Use only in well-ventilated areas

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.

Anti-Corrosive Pigment Proprietary Orthophosphate Silicate Hydrate 5 - 10%

Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	J

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

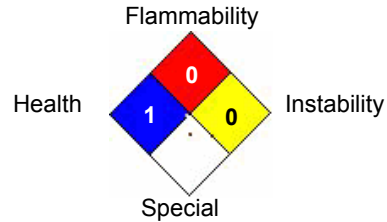
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision

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