



**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

% by Weight	CAS Number	Ingredient	OSHA PEL	<>
9 - 25 %	13463-67-7	Titanium Dioxide	10mg/m3 as dust	
3 - 14 %	14808-60-7	Silicon Dioxide	10mg/m3 as dust	
1 - 7 %	1332-58-7	Hydrous Aluminum Silicate	15mg/m3 as dust	

**SECTION 4 - FIRST AID MEASURES**

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention. **SKIN:** Wash affected area thoroughly with soap and water.

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet. If person is not breathing, call 911.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

**SECTION 5 - FIRE FIGHTING MEASURES****Flash Point Data**

**Flash Point (°F)** Not applicable

**Flash Point (°C)** Not applicable

**Flash Point Method** Not applicable

**Flammability Limits in Air**

**Lower Explosion Limit** Not applicable

**Upper Explosion Limit** Not applicable

**NFPA Health:** 1 **NFPA Flammability:** 0 **NFPA Instability:** 0 **Special:** Applicable **Not**

**Legend**

0 - Not Hazardous

1 - Slightly

2 - Moderate

3 - High4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used. Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).*

**EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Alcohol Foam

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Closed containers may explode (due to the build-up or 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.

**SPECIAL FIRE FIGHTING PROCEDURES**

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** Remove all sources of ignition. Ventilate the area.  
Remove spill with inert absorbent.  
Avoid runoff into storm sewers, waterways, and drainage culverts.

**SECTION 7 - HANDLING AND STORAGE**

**STORAGE CATEGORY**

Not Applicable

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

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.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**INGREDIENT NAME**

**EXPOSURE LIMITS**

Titanium Dioxide	OSHA PEL: TWA 15 mg/m3 8 hrs.; ACGIH TLV TWA: 10 mg/m3 8 hrs.
Hydrous Aluminum Silicate	OSHA PEL: TWA 15 mg/m3 8 hrs.; ACGIH TLV TWA: 10 mg/m3 8 hrs.
Triethylamine	OSHA PEL: 100 mg/m3

**PRECAUTIONS TO BE TAKEN IN 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 3) which may be present at hazardous levels only during sanding or abrading of the dried paint film. If no specific dusts are listed in Section 3, 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/33 (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 a 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 U.S.) or contact your local health authority.

**VENTILATION**

Local exhaust is preferable. General exhaust is acceptable if the exposure to materials in Section 3 is maintained below acceptable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

**RESPIRATORY PROTECTION**

If personal exposure cannot be controlled below acceptable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 3.

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

**PROTECTIVE GLOVES**

Required for long or repeated contact.

**EYE PROTECTION**

Wear safety eyewear with non-vented side shields.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE</b>	Liquid	
<b>ODOR</b>	Not Available	
<b>ODOR THRESHOLD pH</b>	Not Available	8.5
<b>MELTING POINT</b>	Not Available	
<b>BOILING POINT</b>	Closed cup > 201° F	
<b>FLASH POINT</b>	Slower than ether	
<b>EVAPORATION RATE</b>	Not Available	
<b>FLAMMABILITY</b>		(100° - 101° C)
<b>UPPER/LOWER FLAMMABILITY LIMITS</b>	Not Available	
<b>VAPOR PRESSURE</b>	Heavier than air	
<b>VAPOR DENSITY</b>	1.31	
<b>SPECIFIC GRAVITY</b>	10.87 lbs./gal	
<b>PRODUCT WEIGHT</b>	Not Available	
<b>SOLUBILITY</b>	Not Available	
<b>AUTO IGN TEMP</b>	102 KU	
<b>VISCOSITY</b>	64.3%	(1310 g/L)
<b>VOLATILE VOLUME</b>		
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged) <10 g/L		

**SECTION 10 - STABILITY AND REACTIVITY**

<b>REACTIVITY</b>	Stable under normal temperatures and pressures
<b>CHEMICAL STABILITY</b>	The product is stable
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>	Under normal use hazardous reactions will not occur
<b>CONDITIONS TO AVOID</b>	Heat, flames, and freezing (temperatures below 32° F / 0° C)
<b>INCOMPATIBLE MATERIALS</b>	None Known
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Will not occur

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**CHRONIC HEALTH HAZARDS**

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."

Prolonged inhalation of crystalline silica may result in silicosis, a disabling pulmonary fibrosis characterized by fibrotic changes and military nodules in the lungs, a dry cough, shortness of breath, emphysema, decreased chest expansion, and increased susceptibility to tuberculosis. Exposure can occur when sanding or abrading the dry paint film. Crystalline silica is listed by IARC and NTP. IARC lists

crystalline silica as Group 1, "known to be carcinogenic to humans". Currently there is a limited understanding of the mechanisms of quartz toxicity, including the mechanisms for lung carcinogenicity. Additional studies are needed to determine whether the cell transforming activity of quartz is related to its carcinogenic potential. Crystalline silica is a component of silicon dioxide, found in diatomaceous earth.

**TOXICOLOGY DATA**

CAS No.	Ingredient Name	Result/Species	Dose
13463-67-7	Titanium Dioxide	LD50 RAT	> 10 g/kg
14808-60-7	Silicon Dioxide	LD50 RAT	> 365 mg/kg
1332-58-7	Hydrous Aluminum Silicate	LD50 RAT	> 5000 mg/kg

**SECTION 12 - ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION**

No data available.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD**

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

**SECTION 14 - TRANSPORT INFORMATION**

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

**US Ground (DOT)** Not Regulated for Transportation

**Canada (TDG)** Not Regulated for Transportation

**IMO** Not Regulated for Transportation

**IATA/ICAO** Not Regulated for Transportation

**SECTION 15 - REGULATORY INFORMATION**

**SARA 313 (40 CFR 372-65C) SUPPLIER NOTIFICATION**

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
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No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

**CALIFORNIA PROPOSITION 65**

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

**TSCA CERTIFICATION**

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

**SECTION 16 - OTHER INFORMATION**

Original Publication Date: February 20, 2015  
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**HMIS Codes**

<b>Health</b>	<b>1*</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of this product. Since conditions of use are outside our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information.