

**Section 1: IDENTIFICATION**

Product Name: AIR-LAG (White)
Synonyms: Not available.
Product Use: Water Based Lagging Adhesive.
Restrictions on Use: Professional Use Only.
Manufacturer/Supplier: Polymer Adhesives
501 Garrett Morris Pkwy
Mineral Wells, TX 76067
Phone Number: 1-888-721-7325 M-TH: 8am-5pm, F: 8am-2:30pm
Emergency Phone: 1-800-424-9300 (CHEMTREC)
Date of Preparation of SDS: April 3, 2023

Section 2: HAZARD(S) IDENTIFICATION**GHS INFORMATION**

Classification: Not hazardous according to OSHA criteria (29 CFR 1910.1200).
Not hazardous according to WHMIS 2015 criteria.
Not hazardous according to the Mexican GHS standard NOM-018-STPS-2015.

LABEL ELEMENTS

Hazard None.

Pictogram(s):

Signal Word: None.

Hazard Not applicable.

Statements:

Precautionary Statements

Prevention: Not applicable.

Response: Not applicable.

Storage: Not applicable.

Disposal: Not applicable.

Hazards Not Otherwise Classified: As supplied, the Quartz and Titanium dioxide in this material are bound in the polymer matrix, therefore inhalation of particles of either of these chemicals is unlikely. Sanding this product may generate inhalable and respirable Quartz and/or Titanium dioxide. DO NOT SAND MATERIAL.

Ingredients with Unknown Toxicity: 4% of this product mixture consists of ingredient(s) of unknown acute toxicity.

This material is not considered hazardous by the OSHA Hazard Communication Standard, (29 CFR 1910.1200).

This material is not considered hazardous by the Hazardous Products Regulations.



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This material is not considered hazardous by the Mexican GHS standard NOM-018-STPS-2015.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	Common name / Synonyms	CAS No.	% wt./wt.
Titanium oxide (TiO ₂)	Titanium dioxide	13463-67-7	1 - 4
Quartz (SiO ₂)	Not available.	14808-60-7	0.6 - 2.2

Section 4: FIRST-AID MEASURES

- Inhalation:** Not a normal route of exposure unless dust is generated. If inhaled: Call a poison center or doctor if you feel unwell.
- Acute and delayed symptoms and effects:** Not a normal route of exposure unless dust is generated. Dust generated during sanding may cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Acute pneumoconiosis from overwhelming exposure to Silica (Quartz, SiO₂) dust has occurred. Coughing and irritation of throat are early symptoms. Inhalation of Titanium dioxide may cause blood changes. **DO NOT SAND.**
- Eye Contact:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell.
- Acute and delayed symptoms and effects:** May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
- Skin Contact:** If on skin: Wash with plenty of water. Call a poison center or doctor if you feel unwell.
- Acute and delayed symptoms and effects:** May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
- Ingestion:** If swallowed: Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- Acute and delayed symptoms and effects:** May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. Ingestion of Titanium dioxide may cause ataxia (failure of muscular coordination), increased blood pressure, hallucinations, hypermotility, muscle contraction/spasticity, fatigue, psychosis, and tremors.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

**Section 5: FIRE-FIGHTING MEASURES****FLAMMABILITY AND EXPLOSION INFORMATION**

Not flammable or combustible by OSHA/WHMIS criteria.

Sensitivity to Mechanical Impact: This material is not sensitive to mechanical impact.

Sensitivity to Static Discharge: This material is not sensitive to static discharge.

MEANS OF EXTINCTION

Suitable Extinguishing Media: Small Fire: Dry chemical, CO₂, water spray or regular foam.

Large Fire: Water spray, fog or regular foam. Move containers from fire area if you can do it without risk.

Unsuitable Extinguishing Media: Do not use straight streams.

Products of Combustion: Oxides of carbon. Oxides of sulphur. Metal oxides.

Protection of Firefighters: Fire may produce irritating, corrosive and/or toxic gases. Runoff from fire control or dilution water may cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Keep unauthorized personnel away.

Personal Precautions: Do not touch or walk through spilled material.

Environmental Precautions: Keep out of drains, sewers, ditches, and waterways.

Methods for Containment: Do not flush to sewer or allow to enter waterways.

Methods for Clean-Up: Sweep up and shovel into suitable containers for disposal.

Other Information: See Section 13 for disposal considerations.

Section 7: HANDLING AND STORAGE**Handling:**

Do not swallow. Wash hands thoroughly after handling. DO NOT SAND. See Section 8 for information on Personal Protective Equipment.

Storage:

Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines****Component**

Titanium dioxide [CAS No. 13463-67-7]

ACGIH: 2.5 mg/m³ (TWA); A3; Respirable particulate matter (2021)

OSHA: 15 mg/m³ (Total dust) (TWA);

10 mg/m³ (TWA) (Total dust) [Vacated];

Quartz [CAS No. 14808-60-7]

ACGIH: 0.025 mg/m³ (TWA); A2; Respirable particulate matter (2010)

OSHA: 30 / (%SiO₂ + 2) mg/m³ Quartz (Total dust) (TWA), 10 / (%SiO₂ + 2) mg/m³ Quartz (Respirable) & 250 / (%SiO₂ + 5) mppcf Quartz (Respirable) (TWA); See Table Z3. 0.1 mg/m³ (As respirable quartz) (TWA) [Vacated];

TWA: Time-Weighted Average

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapour, gas, etc.) below recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT (PPE)



Eye/Face Protection: Wear safety glasses. Use equipment for eye protection that meets the standards referenced by CSA Standard CAN/CSA-Z94.3:20 and OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Hand Protection: Wear protective gloves. Consult manufacturer specifications for further information.

Skin and Body Protection: Wear protective clothing.

Respiratory Protection: If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator that meets the requirements of CSA Standard CAN/CSA-Z94.4-18, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices. Consult a competent industrial hygienist to determine hazard potential and/or the PPE manufacturers to ensure adequate protection.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White paste.
Colour: White.
Odour: Slight.
Odour Threshold: Not available.
Physical State: Solid.



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pH:	7.5 to 9.5
Melting Point / Freezing Point:	Not available.
Initial Boiling Point:	~ 100 °C (212 °F)
Boiling Range:	Not available.
Flash Point:	Not available.
Evaporation Rate:	< 1 (n-BuAc = 1)
Flammability (solid, gas):	See Section 5.
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	> 1 (Air = 1)
Relative Density:	1.34 ± 0.1 (Water = 1)
Solubilities:	Not available.
Partition Coefficient: n-Octanol/Water:	Not available.
Auto-ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	> 90,000 cP at 24 °C (75.2 °F)
Percent Volatile, wt. %:	Not available.
VOC content:	< 38 g/L, less water and exempt compounds (Calculated) if including LVP VOC Propylene Glycol.
Density:	Not available.
Coefficient of Water/Oil Distribution:	Not available.

Section 10: STABILITY AND REACTIVITY

Reactivity:	Contact with incompatible materials. Exposure to heat.
Chemical Stability:	Stable under normal storage conditions.
Possibility of Hazardous Reactions:	None known.
Conditions to Avoid:	Contact with incompatible materials. Exposure to heat.
Incompatible Materials:	Strong bases. Strong oxidizers.
Hazardous Decomposition Products:	Not available.

**Section 11: TOXICOLOGICAL INFORMATION****EFFECTS OF ACUTE EXPOSURE****Product Toxicity**

Oral: Not available.

Dermal: Not available.

Inhalation: Not available.

Component Toxicity

Component	CAS No.	LD ₅₀ oral	LD ₅₀ dermal	LC ₅₀
Titanium dioxide	13463-67-7	Not available.	Not available.	Not available.
Quartz	14808-60-7	Not available.	Not available.	0.3 mg/m ³ (human); 10Y

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Target Organs: Skin. Eyes. Gastrointestinal tract. Respiratory system. Lungs.

Symptoms (including delayed and immediate effects)

Inhalation: Not a normal route of exposure unless dust is generated. Dust generated during sanding may cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Acute pneumoconiosis from overwhelming exposure to Silica (Quartz, SiO₂) dust has occurred. Coughing and irritation of throat are early symptoms. Inhalation of Titanium dioxide may cause blood changes. **DO NOT SAND.**

Eye: May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Skin: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

Ingestion: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. Ingestion of Titanium dioxide may cause ataxia (failure of muscular coordination), increased blood pressure, hallucinations, hypermotility, muscle contraction/spasticity, fatigue, psychosis, and tremors.

Skin Sensitization: Not available.

Respiratory Sensitization: Not available.

Medical Conditions Not available.

Aggravated By Exposure:

EFFECTS OF CHRONIC EXPOSURE (from short and long-term exposure)

Target Organs: Skin. Eyes. Gastrointestinal tract. Respiratory system. Lungs. Blood.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation. As supplied, the Quartz and Titanium dioxide in this material are bound in the polymer matrix, therefore inhalation of particles of either of these chemicals is unlikely. Sanding this product may generate inhalable and respirable Quartz and/or Titanium dioxide. **DO NOT SAND MATERIAL.**



Repeated exposure to Silica (Quartz, SiO₂) can cause silicosis, a form of lung scarring that can cause shortness of breath, reduced lung function, and in severe cases, death. Prolonged or repeated exposure to Titanium dioxide may cause lung irritation, chest pain, and pulmonary edema.

Carcinogenicity: Product is not classified as a carcinogen. See Component Carcinogenicity table below for information on individual components. As supplied, the Quartz and Titanium dioxide in this material are bound in the polymer matrix, therefore inhalation of particles of either of these chemicals is unlikely. Sanding this product may generate inhalable and respirable Quartz and/or Titanium dioxide. **DO NOT SAND MATERIAL.** Respirable Silica (Quartz, SiO₂) dust is classified as a human carcinogen.

Component Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Prop 65
Titanium dioxide	A3	Group 2B	Not listed.	OSHA Carcinogen.	Listed.
Quartz	A2	Group 1	List 1	OSHA Carcinogen.	Listed.

Mutagenicity: Not available.

Reproductive Effects: Not available.

Developmental Effects

Teratogenicity: Not available.

Embryotoxicity: Not available.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Other Adverse Effects: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

**Section 14: TRANSPORT INFORMATION****U.S. Department of Transportation (DOT)**

Proper Shipping Name: Not regulated.
Class: Not applicable.
UN Number: Not applicable.
Packing Group: Not applicable.
Placard(s): Not applicable.

Canada Transportation of Dangerous Goods (TDG)

Proper Shipping Name: Not regulated.
Class: Not applicable.
UN Number: Not applicable.
Packing Group: Not applicable.
Placard(s): Not applicable.

Section 15: REGULATORY INFORMATION**Chemical Inventories****US (TSCA)**

The components of this product are in compliance with the chemical notification requirements of TSCA.

Canada (DSL)

The components of this product are in compliance with the chemical notification requirements of the NSN Regulations under CEPA, 1999.

Federal Regulations**United States**

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Mexico

This SDS has been prepared to meet the Mexican GHS standard NOM-018-STPS-2015.

SARA Title III

No components are listed.

State Regulations**Massachusetts**

US Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Component	CAS No.	RTK List
Titanium dioxide	13463-67-7	Listed.
Quartz	14808-60-7	E



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Note: E = Extraordinarily Hazardous Substance

New Jersey

US New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Component	CAS No.	RTK List
Titanium dioxide	13463-67-7	Listed.
Quartz	14808-60-7	SHHS

Note: SHHS = Special Health Hazard Substance

Pennsylvania

US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Component	CAS No.	RTK List
Titanium dioxide	13463-67-7	Listed.
Quartz	14808-60-7	Listed.

California

California Prop 65:



WARNING This product can expose you to chemicals including Acrylamide, Ethyl acrylate, Ethylene oxide, Quartz and Titanium dioxide, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Section 16: OTHER INFORMATION

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for their own particular use.

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GHS SDS Prepared by: Deerfoot Consulting Inc.
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