



AT 700 – FIRE RESISTANT COATING

NANO-CERAMIC COATING

SAFETY DATA SHEET

1. COMPANY AND PRODUCT INFORMATION

Company Name: ALPHATEK MATERIALS
Company Address: 2372 Morse Ave., Ste. 167, Irvine, CA 92614
Tel: 1-949-387-4271
Last Issue Date: 5/27/2017

Product Number: AT 700 – FIRE RESISTANT COATING

2. HAZARDS IDENTIFICATION

HMIS RATINGS:

Health Hazard	1	SLIGHT
Flammability Hazard	0	LEAST
Reactivity Hazard	0	LEAST

POTENTIAL HEALTH EFFECTS:

Routes of Entry: Eyes, Ingestion, Inhalation, Skin

Target Organs: Central Nervous System, Kidneys, Liver

Irritancy: Eyes, Respiratory, Tract, Skin

Sensitizing Capability: None Known

Reproductive Effects: None Known

Cancer Information: Not Known to be Carcinogenic

SHORT-TERM EXPOSURE (ACUTE):

Inhalation: May cause irritation

Eyes: May be irritating

Skin: May cause irritation or slight dermatitis.

Ingestion: If swallowed, DO NOT induce vomiting. Consult medical attention immediately.



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REPEATED EXPOSURE (CHRONIC):

Prolonged or repeated breathing or swallowing of large amounts may cause discomfort.

Synergistic Materials: None Known.

Medical Conditions Aggravated by Exposure: None Known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product contains no hazardous ingredients that would require reporting as per OSHA Hazard Communication Standard (29 CFR 1910.1200) All ingredients are deemed as proprietary as per the same regulation.

4. FIRST AID MEASURES

Eye Contact:

Immediately flush with water for at least 15 minutes. If irritation persists, seek medical attention.

Skin Contact:

Wash thoroughly with soap and water. Wash clothing before re-use. If irritation persists, seek medical attention.

Inhalation:

Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If breathing stops, have trained person administer artificial respiration and seek medical attention immediately.

Ingestion:

Do not induce vomiting. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Carbon Dioxide, Dry Chemical Powder, or Appropriate Foam.



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Fire Fighting Procedures:

Wear self-contained breathing apparatus and full protective clothing.

Fire and Explosion Hazard:

May emit toxic fumes under fire conditions.

Sensitivity to Mechanical Impact:

Not Applicable.

Sensitivity to Static Charge:

Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

No Precautions.

Environmental Precautions:

Contain liquids and prevent discharge into streams and sewers, control or stop the loss of volatile material to the atmosphere. Do not apply water to the spill. Spills should be reported, if required, to the appropriate local, state, and federal agencies.

Small Spills:

Cover with an inorganic absorbent, such as vermiculite, perlite, ground clay, or sand; sweep up, and dispose of appropriately.

Large Spills:

Dike to contain and pump into drums for disposal. Add inorganic absorbent to remaining material (as above), sweep up, and dispose of appropriately. Clean contaminated area with soap and water.

In case of accidental spill or release, refer to Section 8, Personal Protective Equipment and General Hygiene Practices.



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7. HANDLING AND STORAGE

Handling:

Avoid breathing vapors, use adequate ventilation.

Avoid eye contact.

Wear personal protective equipment as described in Section 8, Personal Protective Equipment and General Hygiene Practices.

Wash thoroughly with soap and water after handling.

Avoid sparks, pilot lights, welding operations, and open flame.

Do not reuse containers.

Storage:

Keep container properly closed and properly labeled.

Store in a cool place designated for flammable liquid storage.

Keep away from heat, sparks, and open flame.

Vent periodically to release head pressure.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Appropriate Hygiene Practices:

Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, fumes, and mists. Avoid prolonged or repeated exposure. Wash thoroughly after handling and before eating, drinking, or smoking.

Engineering Controls:

General room ventilation plus local exhaust at points of emission to maintain levels of airborne contaminants below exposure limits.

Respiratory:

If mists or aerosols are generated during handling, wear a respirator equipped with an organic vapor cartridge.

Eyes/Face:

Wear safety glasses to protect against splashing of concentrate, when appropriate.



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Skin:

Wear plastic or rubber apron for splash protection. Wear chemical resistant gloves.

Other:

Emergency shower and eyewash facility should be in close proximity.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Liquid, various colors / Naphthalenic Odor
VOC (grams / liters):	<5%
Freezing Point:	32°F / 0°C
Viscosity:	25-30 Seconds (#2 Zahn Cup)
Flash Point:	194°F / 90°C
Boiling Point:	>390°F / >199°C

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Reacts With:	Strong oxidizing agents, strong acids or bases of selected amines.
Hazardous Polymerization:	Will Not Occur
Hazardous Decomposition Products:	Carbon Monoxide, Carbon Dioxide

11. TOXOLOGICAL INFORMATION

Carcinogenicity Information:

Not listed as carcinogen by NTP (National Toxicology Program); not regulated as a carcinogen by OSHA (Occupational Safety and Health Administration); not evaluated by IARC (International Agency for Research on Cancer)

Reported Human Effects:

No human studies have been conducted with this material. The use of this material when used as directed should not have any adverse effects.



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12. ECOLOGICAL INFORMATION

This material may be hazardous to aquatic organisms. Avoid release to surface waters and waste treatment systems.

13. DISPOSAL CONSIDERATIONS

Do not mix this product with aqueous or other protic wastes streams. Incinerations of combustible waste material in a permitted facility in accordance with the local, state, and federal regulations is the recommended disposal method

14. TRANSPORTATION INFORMATION

US DOT:

Proper Shipping Name: Natural Polymers Emulsions

Not Regulated

IATA:

Proper Shipping Name: Natural Polymers Emulsions

Not Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations:

OSHA Standard 20 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of hazard communication program including labeling material safety data sheets, training and access to written records. We request, as it is your legal duty to, make all information in this safety data sheet available to all your employees.



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16. OTHER INFORMATION

Prepared By: AlphaTek Materials, LLC.

Disclaimer:

All statements and information in this safety data sheet (SDS) is believed to be accurate as of the date issued and represents the best information currently available to AlphaTek Materials, LLC. No warranties, expressed or implied, including, but not limited to the warranty of merchantability, fitness for a particular purpose or of any other nature are made herein as to the information provided or the product to which the information refers. Users should make their own investigations to determine the suitability of the information provided.