

**MATERIAL SAFETY DATA SHEET**

<b>SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION</b>			
<b>Material Identification:</b> Pro+SeramKote Universal Surface Treatment PT-1000 Hardener			
SMT Manufacturing 4855 Distribution Ct. #10 Orlando, FL 32822		386-447-0900 Phone 386-447-0910 FAX	
<b>SECTION 2: OSHA HAZARDOUS COMPONENTS</b>			
<b>CAS Number</b>	<b>Wt%</b>	<b>Components</b>	<b>Exposure Limits</b>
7732-18-5	>95%	Distilled Water	Not Applicable
64-19-7	<5%	Acetic acid	TWA 10ppm (25mg/m3), ST 15ppm
NFPA/HMIS Code: Health 0, Flammability 0, Reactivity 0			
<b>Section 3: PHYSICAL DATA FOR MATERIAL</b>			
<p><b>pH:</b> 4-6  <b>Solubility in water:</b> complete  <b>Appearance:</b> Clear liquid  <b>Odor:</b> mild odor of vinegar  <b>Specific Gravity @ 25C:</b> not determined  <b>Boiling Point:</b> not determined  <b>VOC Content:</b> N/A</p>			
<b>SECTION 4: FIRE AND EXPLOSION HAZARD OF MATERIAL</b>			
<p><b>FLASH POINT:</b> Not flammable  <b>UNUSUAL FIRE HAZARDS:</b> None  <b>EXTINGUISHING MEDIA:</b> Use media suitable for surrounding area.  <b>UNSUITABLE EXTINGUISHING MEDIA:</b> None</p>			
<b>SECTION 5: HEALTH AND HAZARD DATA</b>			
<p><b>EYE CONTACT:</b> Causes eye irritation.  <b>SKIN CONTACT:</b> May cause skin irritation.  <b>INHALATION:</b> Inhaling mist may cause respiratory irritation.  <b>INGESTION:</b> None.  <b>SIGNS AND SYMPTOMS OF EXPOSURE:</b> Burning pain in the nose and throat (inhalation), pain, redness and tearing (eye exposure), itching or burning (skin exposure).</p> <p><b>SPECIAL HAZARDS:</b>  Carcinogens – none known  Teratogens – none known  Mutagens – none known  Reproductive Toxins – none known  Sensitizers – none known.</p>			
<b>SECTION 6: FIRST AID MEASURES</b>			
<p><b>EYES:</b> Immediately flush with water for 15 minutes.  <b>SKIN:</b> No first aid should be needed. Wash with soap and water.  <b>INHALATION:</b> Remove to fresh air.</p>			

**ORAL:** N/A

**SECTION 7: REACTIVITY DATA**

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur.

**CONDITIONS TO AVOID:** None

**MATERIALS TO AVOID:** None.

**SECTION 8: LEAK OR SPILL INFORMATION**

**CONTAINMENT/CLEAN UP:** Not applicable; product is non-hazardous. Check local regulations for proper disposal of dilute organic acids.

**SECTION 9: SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** Respiratory protection is not required.

**GLOVES:** Washing at mealtime and end of shift, no special protection is needed. Rubber or latex gloves are adequate for preventing skin irritation.

**EYE PROTECTION:** Safety glasses at a minimum.

**PROTECTIVE EQUIPMENT:** Eye-wash station (bottle) should be within direct access of work area.

**PERSONAL HYGIENE:** Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse

**SECTION 10: TRANSPORT INFORMATION**

**DOT Information:** (49 CFR 172.101)

**Proper Shipping Name:** N/A (not regulated)

**Hazard Technical Name:** N/A (not regulated)

**Hazard Class:** N/A (not regulated)

**UN Number:** N/A (not regulated)

**Packing Group:** N/A (not regulated)

**SECTION 11: HANDLING AND STORAGE**

**Handling:** No special precautions

**Storage:** Do not freeze

**SECTION 12: REGULATORY INFORMATION**

EPA SARA Title III Chemical Listings:

**Section 304 CERCLA Extremely Hazardous Substance:** None

**Section 304 CERCLA Hazardous Substances:**None

**Section 312 Hazard Class –**

Acute: No

Chronic: No

Fire: No

Pressure: No

Reactivity: No

Pro+SeramKote Universal Surface Treatment PT-1000 Hardener

**Section 313 Toxic Chemicals:** None.

Revision: 12/17/2008  
Prepared by: SMT Manufacturing  
4855 Distribution Court #10  
Orlando, FL 32822

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**MATERIAL SAFETY DATA SHEET**

<b>SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION</b>			
<b>Material Identification:</b> Pro+SeramKote Universal Surface Treatment PT-1000 Microcoat			
SMT Manufacturing 4855 Distribution Court #10 Orlando, FL 32822		386-447-0900 Phone 386-447-0910 FAX	
<b>SECTION 2: OSHA HAZARDOUS COMPONENTS</b>			
<b>CAS Number</b>	<b>Wt%</b>	<b>Components</b>	<b>Exposure Limits</b>
67-63-0	<85%	Dimethyl carbinol	TWA 400 ppm, STEL 500 ppm
Proprietary	<15%	Alkoxysilanes	None established; guide TWA 50 ppm
NFPA/HMIS Code: Health 1, Flammability 3, Reactivity 0			
<b>SECTION 3: PHYSICAL DATA FOR MATERIAL</b>			
<p><b>pH:</b> Not applicable (non-aqueous)  <b>Solubility in water:</b> Complete  <b>Appearance:</b> Clear Liquid (colorless)  <b>Odor:</b> Strong Odor (rubbing alcohol)  <b>Specific Gravity @ 25 C:</b> 0.85  <b>Boiling Point:</b> Miscible blend, approximately 83<sup>0</sup> C., 181<sup>0</sup> F.  <b>VOC Content:</b> 6 lbs/gal, 729 g/liter</p>			
<b>SECTION 4: FIRE AND EXPLOSION HAZARD OF MATERIAL</b>			
<p><b>FLAMMABLE LIMITS IN AIR:</b> LEL: 2.0% UEL (200°F): 12.7% Volume percent  <b>FLASH POINT:</b> 53.0 Degrees F./12.0 Degrees C.  <b>FIRE HAZARDS:</b> Static electricity may accumulate and ignite vapors. Prevent a possible fire hazard by suitable means, such as bonding and grounding, inert gas purge, vapor dilution and the like. Vapors are heavier than air and can travel along the ground to remote ignition sources.  <b>INCOMPATIBILITY (materials to avoid):</b> heat, sparks, open flame.  <b>EXTINGUISHING MEDIA:</b> Carbon Dioxide (CO<sub>2</sub>), Water Fog, Dry Chemical  <b>UNSUITABLE EXTINGUISHING MEDIA:</b> Water (can be used to cool closed containers)  <b>FIRE FIGHTING PROCEDURES:</b> Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Heat exposure pressurizes closed containers. Evacuate the area in cases of overheating or fire.</p>			

**SECTION 5: HEALTH AND HAZARD DATA**

**EYE CONTACT:** Causes eye irritation

**SKIN CONTACT:** Causes skin irritation

**INHALATION:** May cause nonspecific discomfort such as nausea, headache or weakness; irritation of the upper respiratory passages with coughing and discomfort; or temporary nervous system depression with anesthetic effects such as dizziness, headache, confusion, incoordination or loss of consciousness.

**INGESTION:** Product contains dimethyl carbinol and small amounts of methyl alcohol, which may cause nausea, vomiting, abdominal pain, flushing of the face, hypotension, weakness and loss of consciousness if large amount of product is swallowed.

**SIGNS AND SYMPTOMS OF EXPOSURE:** Burning pain in the nose and throat (inhalation), pain, redness and tearing (eye exposure), itching or burning (skin exposure).

**SPECIAL HAZARDS:**

Carcinogens – none known

Teratogens – none known

Mutagens – none known

Reproductive Toxins – none known

Sensitizers – None known.

**SECTION 6: FIRST AID MEASURES**

**EYES:** Immediately flush with water for 15 minutes.

**SKIN:** No first aid should be needed. Wash with soap and water.

**INHALATION:** Remove to fresh air. Get medical attention if ill effects persist.

**ORAL:** Get medical attention. If conscious, induce vomiting. Lie down, keep warm and cover eyes to exclude light.

**COMMENTS:** Treat same as methyl alcohol poisoning.

**SECTION 7: REACTIVITY DATA**

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None

**MATERIALS TO AVOID:** Oxidizing material can cause a reaction; acetaldehyde, chlorine, ethylene oxide, acids, isocyanates.

**SECTION 8: LEAK OR SPILL INFORMATION**

**CONTAINMENT/CLEAN UP:** Review FIRE FIGHTING MEASURES and HANDLING sections before proceeding with clean-up. Use suitable protective wear and respiratory protection, such as full face respirator

Remove possible ignition sources. Prevent material from entering sewers, waterways, low areas, or floor drains. Soak up with sawdust, sand, oil dry, or other absorbent material. Sweep up or use a non-sparking shovel for clean-up. Place in appropriate container for disposal. Flush contaminated surface with water and remove flush to an approved permitted treatment system or collect flush for disposal.

This material is an ICR (ignitable, corrosive, reactive) substance under CERCLA. Unless released material is cleaned up for reprocessing, recycling, or reuse, a release of 100 lbs. may trigger reporting requirements of CERCLA section 103.

**SECTION 9: PERSONNEL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** Not required with adequate general ventilation. Do not exceed recommended exposure guidelines. Avoid enclosed spaces for mixing or applying. When needed, use respiratory protection NIOSH – ½ face, black cartridge, minimum.

**GLOVES:** Washing at mealtime and end of shift, no special protection is needed. Rubber or latex gloves are recommended for preventing skin irritation.

**EYE PROTECTION:** Safety glasses at a minimum.

**PROTECTIVE EQUIPMENT:** Eyewash station (bottle) should be in direct access of work area.

**PERSONAL HYGIENE:** Do not get in eyes or on clothing. Wash thoroughly after handling.

Wash contaminated clothing before reuse.

**Engineering Controls:** Local ventilation recommended.

<b>SECTION 10: TRANSPORT INFORMATION</b>			
DOT Information (49 CFR 172.101)			
<b>PROPER SHIPPING NAME:</b> FLAMMABLE LIQUID, n.o.s.			
<b>HAZARD TECHNICAL NAME:</b> alcohol			
<b>HAZARD CLASS:</b> 3			
<b>UN NUMBER:</b> UN1993			
<b>PACKING GROUP:</b> II			
<b>SECTION 11: HANDLING AND STORAGE</b>			
<b>HANDLING:</b> No special precautions provided containers are undamaged. Use with adequate ventilation. Avoid eye contact. Avoid breathing vapors. Do not take internally. Do not eat, drink, or smoke in work area.			
<b>STORAGE:</b> Keep container closed and away from heat, sparks and open flames. Keep container closed, dry, and cool.			
<b>SECTION 12: REGULATORY INFORMATION</b>			
EPA SARA Title III Chemical Listings:			
<b>Section 304 CERCLA Extremely Hazardous Substance:</b> None			
<b>Section 304 CERCLA Hazardous Substances:</b>			
<u>C.A.S. Number</u>	<u>Wt%</u>	<u>Component Name</u>	
67-56-1	2%	Methyl Alcohol	5000.00 lb rq
<b>Section 312 Hazard Class –</b>			
Acute: Yes			
Chronic: Yes			
Fire: Yes			
Pressure: No			
Reactivity: No			
<b>Section 313 Toxic Chemicals:</b>			
<u>C.A.S. Number</u>	<u>Wt%</u>	<u>Component Name</u>	
67-56-1	2%	Methyl Alcohol	
<b>Section 312 Hazard Class:</b>			
Acute: Yes			
Chronic: Yes			
Fire: Yes			
Pressure: No			
Reactivity: No			
<b>Section 313 Toxic Chemicals:</b> None			

**SECTION 13: DISPOSAL CONSIDERATIONS**

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste: Yes

Characteristic Waste:

Ignitable: D001

State or local laws may impose additional regulatory requirements regarding disposal

Revision: 12/17/2007

Prepared by: SMT Manufacturing  
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