

# Material Safety Data Sheet

TERRA COTTA SEALANT

MSDS No. \_\_\_\_\_

Date of Preparation: September 15, 2003

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Terra Cotta Sealant

**Chemical Formula:** N/A

**CAS Number:** N/A

**Other Designations:** Blend

**General Use:** Sealant for terra cotta containers

**Manufacturer:** Syndicate Sales, Inc., 2025 N. Wabash Street, Kokomo, IN 46903-0756, Phone (765) 457-7277

## Section 2 - Composition / Information on Hazardous Ingredients

Ingredient Name	Exposure Limits	CAS Number	% wt. or % vol.
Ammonia Hydroxide (as Ammonia)	NIOSH REL: 25 ppm, STEL: 35 ppm ACGIH TLV: 25 ppm, STEL: 35 ppm OSHA PEL: 50 ppm	6004-24-6	1-5%

## Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

### Potential Health Effects

**Primary Entry Routes:** Inhalation, ingestion, skin absorption, eye contact.

**Target Organs:** Respiratory system, skin, eyes

**Acute Effects:** Abdominal pain, vomiting, sore throat, cough, nasal & lung irritation, eye and skin redness & irritation

**Inhalation:** Sore throat, shortness of breath, cough.

**Eye:** Irritation and redness with direct contact.

**Skin:** Irritation and redness with direct contact.

**Ingestion:** Swallowing this product may be harmful. Can cause abdominal pain, vomiting, sore throat

**Carcinogenicity:** N/R.

**Chronic Effects from Long-Term Exposure:** N/D

### HMIS

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F	0
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## Section 4 - First Aid Measures

**Inhalation:** Remove to fresh air.

**Eye Contact:** Irrigate immediately with plenty of water. Consult physician.

**Skin Contact:** Flush with water. Wash with soap and water thoroughly. Remove contaminated clothing.

**Ingestion:** Do not induce vomiting. Drink plenty of water to dilute. Refer for medical attention.

**Note to Physicians:** N/A

**Special Precautions/Procedures:** N/A

## Section 5 - Fire-Fighting Measures

**Flash Point:** > 200 degrees F.

**Flash Point Method:** Pensky-Martens Closed-Cup

**Burning Rate:** N/D

**Autoignition Temperature:** N/D

**LEL:** N/A

**UEL:** N/A

**Flammability Classification:** N/D

**Extinguishing Media:** Powder, water spray, foam or carbon dioxide.

**Unusual Fire or Explosion Hazards:** N/D

**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, oxides of nitrogen.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Powder, water spray, carbon dioxide.

**Section 6 - Accidental Release Measures**

**Spill /Leak Procedures:** Do not release into the environment (sewers, groundwater or waterways)  
**Small Spills:** Collect spilled liquid in sealable container. Cover with inert material such as dry sand or earth. Mix and add water if necessary. Remove to a safe place.  
**Large Spills:** Follow recommendations for small spills. Do not release into the environment.  
**Containment:** Remove to a safe place away from food storage and where children play until disposed properly.  
**Cleanup:** Dispose of spill residue properly.  
**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.1200), EPA Regulations (40 CFR 355), applicable state regulations.

**Section 7 - Handling and Storage**

**Handling Precautions:** Avoid contact with skin and eyes.  
**Storage Requirements:** Do not store near food area or where children play.  
**Regulatory Requirements:** N/D

**Section 8 - Exposure Controls / Personal Protection**

**Engineering Controls:**  
**Ventilation:** Use in well ventilated area.  
**Administrative Controls:** N/A  
**Respiratory Protection:** No respiratory equipment is needed during normal usage.  
**Protective Clothing/Equipment:** Chemically protective gloves, safety glasses.  
**Safety Stations:** N/A  
**Contaminated Equipment:** N/A  
**Comments:** N/A

**Section 9 - Physical and Chemical Properties**

<b>Physical State:</b> Liquid	<b>Water Solubility:</b> Soluble	<b>10% pH:</b> 10.20
<b>Appearance and Odor:</b> Ammonia odor	<b>Other Solubilities:</b> N/D	<b>Total Solids:</b> 49.2%
<b>Odor Threshold:</b> N/D	<b>Boiling Point:</b> N/D	
<b>Vapor Pressure:</b> N/D	<b>Freezing/Melting Point:</b>	
<b>Vapor Density (Air=1):</b> N/D	N/D	
<b>Formula Weight:</b> N/A	<b>Viscosity:</b> N/A	
<b>Density:</b> 1.00 gm./ml.	<b>Refractive Index:</b> N/D	
<b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b> N/D	<b>Surface Tension:</b> N/D	
<b>Flashpoint:</b> greater than 200 degrees F.	<b>% Volatile:</b> 50.8%	
	<b>Evaporation Rate:</b> N/D	

**Section 10 - Stability and Reactivity**

**Stability:** Stable at temperature in closed containers under normal storage and handling conditions.  
**Polymerization:** Not determined but very unlikely.  
**Chemical Incompatibilities:** Reacts with strong oxidant acids, halogens, salts of silver and zinc bases. Corrosive to copper and galvanized surfaces.  
**Conditions to Avoid:** Store in closed containers away from oxidants, acids, halogens, salts of silver and zinc bases, copper and galvanized surfaces.  
**Hazardous Decomposition Products:** May produce Ammonia and Nitrogen oxides, Hydrogen.

**Section 11- Toxicological Information****Registry of Toxic Effects of Chemical Substances (RTECS) Toxicity Data:**

<b>Eye:</b> No human data (N/D)	<b>Carcinogenicity:</b> N/D
<b>Skin:</b> N/D	<b>“Tumorigen”</b> -N/D
<b>Ingestion:</b> N/D	<b>Mutagenicity</b> “Mutagen”-human studies
<b>Inhalation:</b> N/D	<b>Teratogenicity:</b> ND
<b>Acute Inhalation Effects:</b> N/D	<b>“Primary Irritant”</b>
<b>Acute Oral Effects:</b> N/D	
<b>Chronic Effects:</b> N/D	

**Section 12 - Ecological Information**

**Ecotoxicity:** Toxic to aquatic organisms.  
**Environmental Fate:** N/D

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Environmental Degradation: N/D

Soil Absorption/Mobility: N/D

### Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

**Disposal Regulatory Requirements:** N/D

**Container Cleaning and Disposal:** N/D

### Section 14 - Transport Information

#### DOT Transportation Data (49 CFR 172.101):

**Shipping Name:** N/A

**Shipping Symbols:** N/A

**Hazard Class:** N/A

**ID No.:** N/A

**Packing Group:** N/A

**Label:** N/A

**Special Provisions(172.102):**  
None

#### Packaging Authorizations

a) **Exceptions:** None

b) **Non-bulk Packaging:** None

c) **Bulk Packaging:** None.

#### Quantity Limitations

a) **Passenger, Aircraft, or Railcar:** N/A

b) **Cargo Aircraft Only:** N/A

#### Vessel Stowage Requirements

a) **Vessel Stowage:** N/A

b) **Other:** N/A

### Section 15 - Regulatory Information

#### EPA Regulations:

RCRA Hazardous Waste Number (40 CFR 261.33): Not Listed

RCRA Hazardous Waste Classification (40 CFR 261.20): Not Listed

CERCLA Hazardous Substance (40 CFR 302.4) Not listed

CERCLA Reportable Quantity (RQ): 1,000 pounds (Ammonium Hydroxide)

SARA 311/312 Codes: N/D

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

TSCA Reporting Status: Exempt

**Carcinogen:** Not classified.

**OSHA Regulations:** None

**State Regulations:** Massachusetts: CERCLA Hazardous Substance

Pennsylvania: Environmental Hazard

New York: RQ (Air) 1000 lbs. / RQ (Land) 100 lbs.

### Section 16 - Other Information

**Prepared By:** Mary Dunlap and Mack Overton

**Revision Notes:** September 15, 2003

**Additional Hazard Rating Systems:** N/A

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