



## Safety Data Sheet for TempTAB

GHS safety data sheet

### 1. Identification

**Product Name:** TempTAB 300, TempTAB 400, TempTAB 600, TempTAB 650, TempTAB 700

**Product Use:** Temperature Uniformity survey device

**Manufacturer:** The Edward Orton Jr. Ceramic Foundation  
**Address:** 6991 Old 3C Highway Westerville, Ohio 43082  
**Phone Number:** 614-895-2663

### 2. Hazards Identification

Health	Environmental	Physical
Not classified for physical or health hazards by GHS	Not classified for physical or health hazards by GHS	Not classified for physical or health hazards by GHS

### 3. Composition Information on Ingredients

Component	CAS Number	Weight %
Alumina Oxide	1344-28-1	99.8
Ceramic Matrix	proprietary	<1%

### 4. First Aid Measures

**Eye:** flush eyes with plenty of water as a precaution  
Check for and remove any contact lenses. Rinse for at least 15 minutes.  
If irritation persists seek medical attention

**Skin:** Wash with soap and water

**Inhalation:** Not anticipated

**Ingestion:** Not anticipated

### 5. Fire Fighting Measures

Extinguishing media - use water spray, alcohol-resistant foam, dry chemical or carbon Dioxide  
Special Hazards arising from substance or mixture - No precautions required

### 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures For non-emergency Personnel  
No action shall be taken involving any personal risk or without suitable training.  
Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation.

For emergency Responders:  
If specialized clothing is required to deal with the spillage, take note of any information in Section 8  
See also the information in "For non-emergency personnel".

### 7. Handling and Storage

**Handling** - minimize dust generation. Wear protective gloves if needed.  
**Storage** - Store in dry area in original packaging.

## 8. Exposure controls/ Personal Protection

Appropriate engineering controls - General industrial hygiene practice

### Personal protective equipment

Eye/Face - Use equipment for eye protection tested and approved under appropriate government standards

Skin Protection - Handle with gloves if needed

## 9. Physical and Chemical Properties

Appearance: Solid

Odor: Odorless

odor threshold: No data available

pH : No data available

Melting Point: Melting Range 1200°C to 1800°C

initial boiling point: no data available

Flash point: Not applicable

Evaporation Rate: No data available

Flammability: Non-flammable

Upper/Lower Flammability limit: N/A

Vapor Pressure: no Data Available

Vapor Density: no Data Available

Relative Density: no Data Available

Solubility: no Data Available

Partial coefficient : no Data Available

Autoignition temperature: no Data Available

Decomposition Temperature: no Data Available

## 10. Stability and Reactivity

Chemical Stability - Stable under recommended storage conditions

Possibility of Hazardous reactions - No data available

Conditions to avoid - none known

Incompatible materials - none known

Hazardous decomposition products - none

## 11. Toxicological information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available. LC50: Not available.

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. TERATOGENIC EFFECTS: Classified None. for human.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: May cause cancer (tumorigenic) according to animal data. No human data found.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Nuisance Dust. Dust may cause mechanical eye irritation. Inhalation: Nuisance Dust. Material is irritating to mucous membranes and upper respiratory tract. May cause lung injury. Ingestion: May be harmful if swallowed. Ingestion of large amounts may cause gastrointestinal tract irritation. Its expected to be a low hazard for normal industrial handling.

## 12. Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

## 13. Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. Transportation Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

## 15. Regulatory Information

Federal and State Regulations:

Illinois toxic substances disclosure to employee act: Aluminum oxide Rhode Island RTK hazardous substances: Aluminum oxide Minnesota: Aluminum oxide Massachusetts RTK: Aluminum oxide New Jersey: Aluminum oxide New Jersey spill list: Aluminum oxide California Director's list of Hazardous Substances: Aluminum oxide TSCA 8(b) inventory: Aluminum oxide SARA 313 toxic chemical notification and release reporting: Aluminum oxide

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

## 16. Other Information

Revised and prepared on 8/1/17

Disclaimer: the information contained herein is accurate to the best of our knowledge. Orton makes no warranty of any kind, expressed or implied concerning the safe use of this product in your process or in combination with other substances.