

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product: PSH ONE, CONE1

Product Use: A cone 1 porcelainous clay for modeling, handbuilding and throwing on the potter's wheel.

Date Prepared: July 24, 2017

Manufacturer and Supplier:



The Pottery Supply House Limited
1120 Speers Road
Oakville, ON, Canada L6L 2X4
Tel.: 1-800-465-8544
Emergency Tel.: Not available

SECTION 2. HAZARDS IDENTIFICATION

Classification: Not hazardous

SECTION 3. COMPOSITION INFORMATION ON INGREDIENTS

Component	CAS#	Percentage	LD 50	LC 50
Kaolin clay ¹	1332-58-7	15.0 - 40.0	Not available	Not available
Nepheline Syenite ²	37244-96-5	15.0 – 40.0	Not available	Not available
Titanium dioxide	13463-67-7	0.0 – 1.1	>10000 mg/kg Oral, Rat	Not Available
Bentonite ¹	1302-78-9	1.0 – 5.0	>2000 mg/kg Oral, Rat	>= 200 mg/kg Rat

1. Aluminum silicate mineral. 2. Alkali aluminum silicate mineral.

SECTION 4. FIRST AID MEASURES

Procedures Skin contact: Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

Eye contact: Wash immediately with plenty of water. If irritation persists, seek medical attention.

Inhalation: No specific first-aid is necessary since the adverse health effects associated with exposure to crystalline silica (quartz) result from chronic exposures.

Ingestion: Drink plenty of water. Do not induce vomiting. Consult a physician if necessary.

SECTION 5. FIRE FIGHTING MEASURES

Conditions of flammability: Not flammable.

Extinguishing media, means of extinction: Product is not flammable or combustible. Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the product: Product could be explosive if internal water is rapidly converted to steam.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Procedures to be followed in case of leak or spill: Discard any product, residue, disposable container or liner in compliance with regulatory requirements.

SECTION 7. HANDLING AND STORAGE

Handling procedures and equipment: Minimize dust formation by avoiding carving, cutting or grinding of dry or fired clay objects. If unavoidable, use adequate exhaust ventilation to keep airborne dust concentrations below permissible exposure limits. In case of insufficient ventilation, wear a respirator approved for silica dust. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. When firing, use adequate kiln ventilation.

Storage: Keep sealed in plastic to prevent drying by evaporation. Keep from freezing to maintain uniform working consistency.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: TWA (Ontario)

Kaolin	2 mg/m ³
Titanium dioxide	10 mg/m ³
Nepheline Syenite	10 mg/m ³ (PNOS*)
Bentonite	10 mg/m ³ (PNOS*)

* PNOS: Particles (Insoluble or Poorly Soluble) Not Otherwise Specified

Specific engineering controls to be used: Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s). Ensure that eye washing facilities are nearby. When firing, use adequate kiln ventilation.

Personal protective equipment to be used: In case of exposure to dust, and in any case if such exposure is above regulatory limits (see above), wear a personal respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Approximately 80% solid, 20% liquid (water).

Odour and appearance: Cream-grey with mild earthy odour.

Odour threshold: Not applicable.

Specific gravity: Not available.

Vapour pressure: Not applicable.

Vapour density: Not applicable.

Evaporation rate: Not available.

Boiling point: About 100°C for the liquid (water) portion. >1250°C for the solids portion.

Freezing point: About 0°C for the liquid (water) portion.

Decomposition temperature: Not available.

PH: Not available.

Solubility: Solids portion is insoluble in water.

Partition coefficient: Unavailable.

Viscosity: Not available.

Coefficient of water/oil distribution: Not available.

Flash point and method of determination: Not applicable.

Flammability: Not flammable.

Upper flammable limit: Not applicable.

Lower flammable limit: Not applicable.

Auto-ignition temperature: Not applicable.

Explosion data – sensitivity to mechanical impact: Not explosive. Not sensitive.

Explosion data – sensitivity to static discharge: Not explosive. Not sensitive.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal use conditions.

Chemical stability: Stable under normal use conditions.

Conditions to avoid: None known.

Incompatible materials: None known.

Hazardous decomposition products: None known.

Possibility of hazardous reactions: Unlikely in normal use.

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Route of entry: **Skin contact:** May cause skin irritation.

Skin absorption: Not absorbed through the skin.

Eye contact: May cause abrasion of the cornea.

Inhalation: May cause damage to the lungs through prolonged or repeated exposure.

Ingestion: Not acutely hazardous. May cause gastrointestinal upset.

Effects of acute exposure to product: May cause drying and reddening of the skin. May aggravate existing dermatitis. May cause eye irritation.

Effects of chronic exposure to product: May cause damage to the lungs through prolonged or repeated exposure.

Irritancy of the product: Not a likely irritant.

Sensitization of the product: No information available.

Carcinogenicity of the product: Titanium dioxide is possibly carcinogenic to humans through inhalation (IARC classification Group 2B).

Reproductive toxicity: No information available.

Teratogenicity: No information available.

Mutagenicity: No information available.

Name of toxicologically synergistic products: None known.

LD50: Not established for this product. See Section 3 for information on ingredients.

LC50: Not established for this product. See Section 3 for information on ingredients.

SECTION 12. ECOLOGICAL INFORMATION

No data available for this product. No specific adverse effect known.

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORT INFORMATION

Special shipping information: None.

SECTION 15. REGULATORY INFORMATION

This product has been classified not hazardous in accordance with the hazard criteria of WHMIS 2015 and the SDS contains all of the information required by those regulations.

SECTION 16. OTHER INFORMATION

Preparation information: Prepared by Jon Walls.

Contact information:

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Date of preparation: July 24, 2017

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