

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: Feb. 11, 2016

Manufacturer and Supplier:



The Pottery Supply House Limited
1120 Speers Road
Oakville, ON, Canada L6L 2X4
Emergency Tel.: 1-800-465-8544

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview: Not acutely hazardous. Chronic exposure to respirable particulates may cause lung disease.

Potential Health Effects:

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

Skin absorption: Not absorbed through the skin.

Eye contact: May cause mechanical irritation.

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 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 classified Group 2B (a possible human carcinogen) by IARC.

Reproductive toxicity: No information available.

Teratogenicity: No information available.

Mutagenicity: No information available.

Name of toxicologically synergistic products: None known.

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.

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 from exposure 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.

Flash point and method of determination: Not applicable.

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.

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

Hazardous combustion products: No hazard expected.

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 an appropriate respirator. 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.

PH: Not available.

Coefficient of water/oil distribution: Not available.

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid: This product is not reactive under normal conditions of storage and use.

Incompatible materials: None known

Hazardous decomposition products: No decomposition if stored normally.

Possibility of hazardous reactions: Unlikely in normal use.

SECTION 11. TOXICOLOGICAL INFORMATION

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 is WHMIS Not Controlled, classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

SECTION 16. OTHER INFORMATION

Preparation information: Prepared by Jon Walls.

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