



# Van Aken International

## SAFETY DATA SHEET

### SECTION 1 -- IDENTIFICATION OF THE SUBSTANCE

Identification of the Substance or Preparation		Revision date <b>04-May-15</b>
Product Class: Modeling Clay (Oven hardening)		Previous revision date <b>10-April-13</b>
Trade Name: Kato Polyclay		File designation
Product code: 12000 Series		
Use of Substance / Preparation This product is used as modeling clay for various art projects.		
Chemical name Not Applicable	Chemical family Not Applicable	CAS No. Not Applicable
Manufacturer's Name and issuing location VAN AKEN INTERNATIONAL.	<b>EMERGENCY PHONE NUMBER</b>	
3265 FORTUNE DRIVE NORTH CHARLESTON, SC 29418	1 - (843) – 767 - 8272	
	Issuer's phone number 843 -767-8272	
<b>Manufacturing site</b>		
3265 Fortune Dr., North Charleston, SC 29418		

### SECTION 2 -- HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Caution!

**Product Description:** This product is pigmented solid clay which can be oven cured to retain shape, with a negligible odor.

**Health Hazards:** Non-Hazardous – Not expected to have hazardous health effects.

**Flammability Hazards:** Non-Flammable

**Reactivity Hazards:** This product is not reactive.

**Environmental Hazards:** Release of the product is not expected to cause adverse effects to the aquatic environment.

**Emergency Recommendations:** Emergency responders must have personal protective equipment and fire protection appropriate for the situation to which they are responding.

**EU LABELING AND CLASSIFICATION:** This product does not meet the definition of a hazardous substance or preparation according to EU Regulations (EC) No 1272/2008.

**INDEX NUMBER:**

**EC# 215-279-6 This substance is not listed in the Annex I of Regulation (EC) No 689/2008.**

**EC# 232-315-6 This substance is not listed in the Annex I of Regulation (EC) No 689/2008.**

**GHS CLASSIFICATIONS:**

None Known

**SIGNAL WORD :** Caution !

**HAZARD STATEMENT:**

None Known

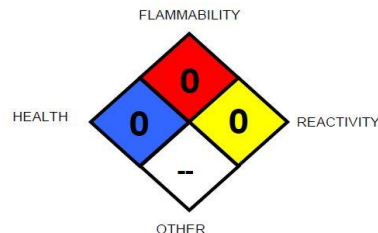
**PREVENTION STATEMENT :**

None Known

**RESPONSE STATEMENT:**

None Known

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)	0		
FLAMMABILITY HAZARD (RED)	0		
REACTIVITY (YELLOW)	0		
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	SEE SECTION 8		SEE SECTION 8
For Routine Industrial Use and Handling Applications			



Scale: 0 = Minimal 1 = Slight 2 = Moderate  
3 = Serious 4 = Severe \* = Chronic hazard



# Van Aken International

## SAFETY DATA SHEET

Material: KATO POLYCLAY, 12000

Version: 1

### HEALTH EFFECTS OR RISKS FROM EXPOSURE:

#### ACUTE HEALTH HAZARDS:

**EYES:** Not expected to be a hazard, however contact may cause irritation with temporary redness.

**SKIN:** Not expected to cause irritation or other health effects.

**INHALATION:** Not expected to cause irritation to respiratory system.

**INGESTION:** Exposure is unlikely. This product can cause gastrointestinal irritation.

**POTENTIAL CHRONIC HEALTH EFFECTS:** None known.

**AGGRAVATION OF PRE-EXISTING CONDITIONS:** None known

**CHRONIC:** This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS#	EINECS #	Hazard Classification	Risk Phrases
Proprietary Mixture	100%	Proprietary	Proprietary	Not Classified	None
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					None

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000*.

### SECTION 4 -- FIRST AID MEASURES

EYES	If material contacts the eye, immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids open. GET MEDICAL ATTENTION IF IRRITATION CONTINUES.
SKIN	Wash affected area with plenty of soap and water. GET MEDICAL ATTENTION IF IRRITATION OCCURRS OR PERSISTS
INHALATION	If breathing becomes difficult remove victim to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial respiration, preferably mouth to mouth. GET MEDICAL ATTENTION.
INGESTION	If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to a victim who is unconscious or is having convulsions. <b>NOTES TO PHYSICIAN:</b> Treat symptoms and eliminate overexposure.

### SECTION 5 -- FIRE FIGHTING MEASURES

**FLASH POINT:** Non-Flammable

**AUTOIGNITION TEMPERATURE:** Not Applicable

**FLAMMABLE LIMITS (in air by volume, %):** Lower NA Upper NA

**FIRE EXTINGUISHING MATERIALS:** Use fire extinguishing methods listed below:

Water Spray: Yes

Carbon Dioxide: Yes

Foam: Yes

Dry Chemical: Yes

Halon: Yes

Other: Any "C" Class

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known

Explosion Sensitivity to Mechanical Impact: No

Explosion Sensitivity to Static Discharge: No

**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection.

Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment.



# Van Aken International

## SAFETY DATA SHEET

Material: KATO POLYCLAY, 12000

Version: 1

Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

### SECTION 6 -- ACCIDENTAL RELEASE MEASURES

**SPILLS OR LEAKS**

Contain spill and recover if possible. Pick up and re-use or place in proper container for disposal. Clean area with soap and water.  
 U.S. Regulations (CERCLA) requires reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

### SECTION 7 -- HANDLING AND STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** Wash hands thoroughly after handling.  
**STORAGE AND HANDLING PRACTICES:** Store in a cool, dry well-ventilated location. Avoid extreme heat. Protect from physical damage.

### SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	CAS#	ACGIH TLV	OSHA TWA
Proprietary Mixture	Proprietary	Not Listed	Not Listed

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION: Not required with this product, avoid heated vapors.** Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION: Not normally required.** If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**HAND PROTECTION: Not required when handling this product.** If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**BODY PROTECTION: Not normally required when using this product.** Use body protection appropriate for task (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

### SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

**FORM:** Solid

**ODOR:** Faint plastic odor

**SOLUBILITY IN WATER:** Not Established

**MELTING POINT:** Not Established

**AUTO IGNITION TEMPERATURE:** Not Applicable

**pH:** Not applicable (1% soln/water)

**VAPOR DENSITY:** Not Applicable

**COLOR:** Various

**BOILING POINT:** Not Established

**SPECIFIC GRAVITY:** Not Established

**EVAPORATION RATE (BuAc=1):** Not Applicable

**FLASH POINT:** Non-Flammable

**WEIGHT PER GALLON:** 10-11 lb/gal



# Van Aken International SAFETY DATA SHEET

Material: KATO POLYCLAY, 12000

Version: 1

## SECTION 10 -- STABILITY AND REACTIVITY

Chemical stability YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	If no, which conditions?
Compatibility with other substances YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	If NO, which ones?
Reactivity, and under what conditions <b>STABLE; conditions to avoid: extreme heat, do not exceed 365 °F (185 °C) &amp; do not allow contact with open flame</b>	
Hazardous decomposition products NONE	

## SECTION 11 -- TOXICOLOGICAL INFORMATION

### TOXICITY DATA:

### TOXICOLOGICAL DATA:

**DUKE UNIVERSITY SCHOOL OF MEDICINE** has completed a toxicological evaluation of this product(s) and have found no hazardous component or contaminant level or effect of the products themselves that would require acute or chronic hazard labeling to conform with ASTM D4236, the Labeling for Hazardous Art Materials Act, LHAMA regulations (16 CFR 1500.14(B)(8), or the Federal Hazardous Substances Act. These products are classified as NOT being toxic, corrosive, skin/eye irritants, or a strong sensitizer as defined in 16 CFR 1500.3(b)(5), and 1500.3(b)(7) – (9) of the Federal Hazardous Substances Act. These product(s) do not require labeling under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). These products do not contain hazardous substances when evaluated under ASTM F963.8.2 of the Standard Consumer Safety Specification for Toy Safety. This evaluation is in accord with the 1984 CPSC Policy Statement on Animal Testing. Conducted by a board certified toxicologist as defined by 16 CFR 14(B)(8). A completed a review of this product(s) under Canada's Hazardous Products Act, including CCCR-2001, Hazardous Products (Toys) Regulations and Surface Coating Materials Regulations. No restrictions, labeling or special packaging are required. Specifically, this product is not considered a toxic hazard, sensitizer, irritant or corrosive substance as described in CHPA c.r.c., c.931 sections 10 and 11 and no materials described in section 14 are used in this product and does not contain a toxic substance, corrosive substance, irritant or sensitizer as defined in CHPA-2001 R.S. c. H-3 schedule I part II, item 13 (p) & (q).

### CARCINOGENIC EFFECTS:

Mutagenic effects: Not available.  
 Teratogenic effects: Not available.  
 Cancer Lists ---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
All Ingredients	No	No	None

## SECTION 12 -- ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**ENVIRONMENTAL FATE:** No Data Available

Oxygen Demand Data: No data available

### ENVIRONMENTAL TOXICITY:

Acute Aquatic Effects Data: No data available

## SECTION 13 -- DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.



# Van Aken International

## SAFETY DATA SHEET

Material: KATO POLYCLAY, 12000

Version: 1

### SECTION 14 -- TRANSPORT INFORMATION

US DOT, IATA, IMO, ADR:

**U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:** This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

**PROPER SHIPPING NAME:** NON-REGULATED MATERIAL

**HAZARD CLASS NUMBER and DESCRIPTION:** NA

**UN IDENTIFICATION NUMBER:** NA

**PACKING GROUP:** NA

**DOT LABEL(S) REQUIRED:** None

**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER:** NA

**RQ QUANTITY:** NA

**MARINE POLLUTANT:** The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

**INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA):** This product is not considered as dangerous goods.

**INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO):** This product is not considered as dangerous goods.

**EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):** This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

### SECTION 15 -- REGULATORY INFORMATION

#### UNITED STATES REGULATIONS:

**U.S. SARA REPORTING REQUIREMENTS:** The components of this product are Not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** None

**U.S. TSCA INVENTORY STATUS:** The components of this product are listed on the TSCA Inventory or are exempted from listing.

**OTHER U.S. FEDERAL REGULATIONS:** None

#### CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):

Ingredients within this product are not on the Proposition 65 Lists.

#### CANADIAN REGULATIONS:

**CANADIAN DSL/NDL INVENTORY STATUS:** The components of this product are on the DSL Inventory, or are exempted from listing.

**OTHER CANADIAN REGULATIONS:** Not applicable.

#### CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** Not Controlled

#### EUROPEAN ECONOMIC COMMUNITY INFORMATION:

**EU LABELING AND CLASSIFICATION:** This product meets the definition of the following hazard class as defined by the European Economic Community Guidelines.

#### EU CLASSIFICATION:

**EU RISK PHRASES:** None known

**EU SAFETY PHRASES:** None known

**AUSTRALIAN INFORMATION FOR PRODUCT:** The components of this product are listed on the International Chemical Inventory list.

#### JAPANESE INFORMATION FOR PRODUCT:

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.



# Van Aken International SAFETY DATA SHEET

Material: KATO POLYCLAY, 12000

Version: 1

**JAPANESE ENCS INVENTORY:** The components of this product are on the ENCS Inventory as indicated in the section on International Chemical Inventories, below.

**POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW:** No component of this product is a listed Specified Poisonous Substance under the Poisonous and Deleterious Substances Control Law.

**INTERNATIONAL CHEMICAL INVENTORIES:**

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

Swiss Giftliste List of Toxic Substances: Listed

U.S. TSCA: Listed

## SECTION 16 -- OTHER

Recommended uses and restrictions

Avoid storing unused product in temperatures in excess of 90 °F. Wash hands after use. This product is not a toy, supervise use by children. Practice reasonable care and Caution.

Further Information

Please consult the product label for specific product information. Website: [www.vanaken.com](http://www.vanaken.com)

Source used

Duke Toxicology, Supplier Information.

Prepared by

S. Knick

Signature

*S. Knick*

### Disclaimer

This material safety data sheet is offered for your information only. We believe the statements, technical information and recommendations contained herein are reliable, but are given without warranty or guarantee of any kind, expressed or implied. VAN AKEN INTERNATIONAL assumes no responsibility for any loss, damage or expense, direct or consequential, arising from the use of our material. It is the responsibility of the user to determine the suitability and completeness of such information for the required use or application. We do not assume any legal responsibility for nor do we give permission, inducement or recommendation to practice any patented invention without a license. Further, it is the user's obligation to utilize this material in full compliance with all health, safety and environmental regulations.