



MATERIAL SAFETY DATA SHEET



AVES, INC. • P.O. BOX 344 • RIVER FALLS, WI 54022 • PHONE 715-386-9097

Section 1 — PRODUCT IDENTIFICATION

Common name:	CRITTER CLAY; Air Fire Clay; Self-hardening clay	Manufacturer:	AVES, INC.
Chemical name:	Proprietary Silicate Formulation	Address:	P.O. Box 344, River Falls, Wisconsin 54022
DOT Shipping:	N/A DOT ID NR: N/A	Telephone:	715-386-9097
NFPA Rating:	Health = 0, Fire = 0, Reactivity = 0		

(NON-TOXIC & NON-HAZARDOUS PRODUCT)

Section 2 — HAZARDOUS INGREDIENTS

Free Silicates: CAS NR: 14808-60-7 30% ± 10% ACGIH TLV = 15mppcf OSHA PEL = 20mppcf TWA = 20-30 mg/m³

Section 3 — PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Pliable Modeling Clay	Color:	Grey-brown; Slight earthy clay odor (wet)
pH:	7.2 to 7.4 (Formulation is pH balanced) (fixed, non-critical)		
Melting Point:	less than 300° C		
Boiling Point:	N/A	Solubility in water:	Soluble
Vapor Pressure:	N/A	Specific Gravity:	1.76 (water = 1)
Molecular Weight:	N/A	Vapor Density:	N/A (air = 1)
Percent Moisture:	20% ± 1%		

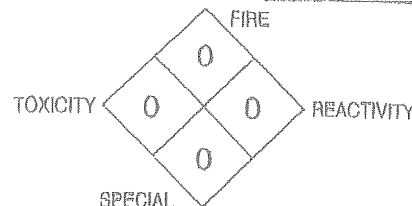
Section 4 — FIRE & EXPLOSION

NO AUTO IGNITION Temperature.

Critter Clay is Non-Flammable, Non-Toxic, and Non-Hazardous.

NFPA HAZARD RATING

4 — EXTREME
3 — HIGH
2 — MODERATE
1 — SLIGHT
0 — INSIGNIFICANT



Section 5 — REACTIVITY

HAZARDOUS POLYMERIZATION WILL NOT OCCUR!
CRITTER CLAY IS STABLE.

CRITTER CLAY IS A FREEZE-THAW STABLE PRODUCT.
(AIR-FIRED SELF-HARDENING CLAY FORMULATION)

CURING —————> Yields a very hard and durable finished product that will accept Tooling as well as ALL paints and finishes.

CONDITIONS TO AVOID:

- a - Contact with Digestive Acid materials.
- b - EXPOSURE TO AIR PRIOR TO USAGE. (Keep in sealed container.)
- c - Avoid temperatures in excess of 300° C.

Section 6 — HEALTH HAZARDS

TCLP procedures have been performed, based upon Federal Register, Volume 55, Number 126, June 1990, 40 CFR, Method 1311. The metal analysis were performed based on EPA Test Methods for Evaluating Solid Waste, SW846, November 1986, 3rd. Edition, Mercury Method 7470, all other metals with Method 6010.

Analysis Results: "CRITTER CLAY" (Air Fired Clay) is NON-TOXIC and NON-HAZARDOUS. Acute Oral Toxicity Study of CRITTER CLAY as per FHSR Rules & Regulations with HWI Test Nr: 20403267 of 6-30-92: (Test completed in Formulation in WET FORM.)

"Based on the results of this study, the test material, CRITTER CLAY, IS NOT CONSIDERED TO BE TOXIC BY THE ORAL ROUTE OF INGESTION."

Acute Oral Toxicity Study of CRITTER CLAY as per FHSR Rules & Regulations with HWI Nr: 20403268 of 6-25-92. (Test completed with Formulation in DRY POWDER FORM.)

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"Based on the results of this study, the test material CRITTER CLAY, IS NOT CONSIDERED TO BE TOXIC BY THE ORAL ROUTE OF ADMINISTRATION."

CFR TITLE 16, Section 1500.3, pp 325-342 of 1-1-1985 NIH Publication Nr: 86-23, Revised 1985.

PRIMARY EYE IRRITATION STUDY OF CRITTER CLAY (FHSA Regulations HWI Test Nr: 20403269 of 6-24-92).

"The test material, CRITTER CLAY, when evaluated for its primary eye irritation potential in laboratory test animals, produced corneal and iridal involvement and slight to moderate conjunctival irritation. Some of the laboratory animals tested exhibited a positive response according to FHSA Criteria. ALL TREATED ANIMAL EYES TESTED RETURNED TO A NORMAL (Pre-test) APPEARANCE WITHIN 72 HOURS AFTER THE COMPLETION OF THE TEST."

"Based upon the results of the aforementioned test study, the tested material CRITTER CLAY is considered to be a possible eye irritant."

NOTE: Results of the aforementioned tests reported may be viewed at the corporate offices of AVES, INC.

SKIN: NON-TOXIC / NON-HAZARDOUS. EYES: Possible irritation.

CHRONIC HEALTH HAZARDS: N/A SIGNS & SYMPTOMS OF EXPOSURE: N/A

EMERGENCY & FIRST-AID PROCEDURES

INGESTION: N/A SKIN: Wash dust from skin surfaces with soap and water.

INHALATION: N/A EYES: Flush with clean free-flowing water. See physician if necessary.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: N/A

"CRITTER CLAY IS A SAFE, NON-TOXIC and NON-HAZARDOUS SELF-HARDENING CLAY PRODUCT."

Section 7 — PRECAUTIONS FOR SAFE HANDLING & USAGE

Steps to be taken: Individuals should always wear protective work clothing, and dust face mask when grinding. Work in properly ventilated areas.

Handling & Storage: CRITTER CLAY IS FREEZE/THAW STABLE. Normally store at ambient work area temperatures in a sealed tightly closed container.

Disposal Procedures: May be disposed of in a normal sanitary landfill in accordance with Local, State and Federal regulations.

Section 8 — PROTECTION & CONTROL MEASURES

Respiratory Protection: As per CRITTER CLAY instructions, use NIOSH & OSHA approved equipment and work procedures when grinding and finishing the hardened CRITTER CLAY.

Exhaust & Ventilation: is suggested to keep work area dust levels below the OSHA/NIOSH/TLV-TWA and PEL levels.

Eye Protection: is an additional safety precaution.

Section 9 — SUPPLEMENTAL INFORMATION

CRITTER CLAY has been fully tested and is hereby CERTIFIED as a SAFE, NON-TOXIC, and NON-HAZARDOUS FORMULATION.

CLEAN UP: Simple water procedures.

Section 10 — MANUFACTURER'S WARRANTY

The data and recommendations presented herein are based upon research and analysis of Certified Test Laboratories and believed to be accurate. The test results are held on file in the offices of AVES STUDIO. However, no warranty is expressed or implied regarding the data or the results to be obtained from the use thereof. AVES STUDIO, assumes no responsibility for the injury to any customers or third persons proximately caused by the use of the material if reasonable safety procedures are not adhered to as stipulated in the data sheets. Additionally, since actual product use by others is beyond our control, no guarantee, expressed or implied, is made by AVES STUDIO, as to the effect of usage, the results to be obtained or the safety and toxicity of the product, nor does AVES STUDIO, assume any liability arising as a result of the use, misuse or abuse by others of the facts and data herein presented. The information provided herein is provided by AVES STUDIO, solely for the customer's information and assistance in compliance with The Occupational Safety & Health Act of 1970 and the rules and regulations thereunder and amended thereto. Any other use is prohibited!

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Environmentally Safe!