



# MATERIAL SAFETY DATA SHEET



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

## Section 1 — PRODUCT IDENTIFICATION

**Common name:** APOXIE SCULPT (Parts A & B)  
**Chemical name:** Proprietary Silicate Formulation  
**DOT Shipping:** N/A DOT ID NR: N/A  
**NFPA Rating:** Health = 0, Fire = 0, Reactivity = 0

**Manufacturer:** AVES, INC.  
**Address:** P.O. Box 344, River Falls, Wisconsin 54022  
**Telephone:** 715-386-9097

(FULLY CURED PRODUCT, NON-TOXIC & NON-HAZARDOUS)

## Section 2 — HAZARDOUS INGREDIENTS

**Free Silicates:** CAS NR: 14808-60-7 25% ±10% ACGIH TLV=15mppcf OSHA PEL = 20mppcf TWA = 20-30 mg/m<sup>3</sup>  
**Organic Resins:** CAS NR: 68410231; CAS 68082291; CAS 025085998 25% ± 10%

## Section 3 — PHYSICAL & CHEMICAL PROPERTIES

**Physical State:** Putty-like solid modeling clays (in A & B component form) **Color:** Greyish; virtually odorless  
**pH:** APOXIE SCULPT Part A = 7.4 APOXIE SCULPT Part B = 10.6 APOXIE SCULPT Parts A + B = 9.95  
**Specific Gravity:** APOXIE SCULPT Part A = 1.77 APOXIE SCULPT Part B = 1.64 APOXIE SCULPT FULLY CURED = 1.7  
**Solubility:** APOXIE SCULPT Part A = soluble APOXIE SCULPT Part B = slightly soluble  
APOXIE SCULPT Parts A + B — FULLY CURED = insoluble  
**Melting Point:** APOXIE SCULPT Part A, Part B, Parts A + B — FULLY CURED > 300° C  
APOXIE SCULPT IS STABLE, NON-TOXIC, AND NON-HAZARDOUS.

## Section 4 — FIRE & EXPLOSION

APOXIE SCULPT Part A, Part B, and Parts A + B — FULLY CURED are:  
**Non-flammable, Non-toxic, and Non-hazardous.**

**WILL NOT SUPPORT COMBUSTION!**

<b>NFPA HAZARD RATING</b>		
4 — EXTREME		0
3 — HIGH		0
2 — MODERATE		0
1 — SLIGHT		0
0 — INSIGNIFICANT		0

## Section 5 — REACTIVITY

HAZARDOUS POLYMERIZATION WILL NOT OCCUR!

CONDITIONS TO AVOID: a - Contact with a Digestive Acid Reagent.

- b - Exposure to air prior to usage. (Keep in sealed container)
- c - APOXIE SCULPT Part A, Part B and Fully Cured Parts A+B are all Freeze-Thaw stable.
- d - Avoid temperatures in excess of 300° C.

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

## Section 6 — HEALTH HAZARDS

TCLP procedures have been performed upon product, based upon Federal Register, Volume 55, Nr-126, June 1990, 40 CRF, Method 1311. The metal analysis were performed based upon EPA Test Methods for Evaluating Solid Waste, SW846, November 1986. 3rd. Edition, Mercury Method 7470, all other metals with Method 6010. TEST RESULTS ESTABLISH APOXIE SCULPT Parts A, B, and Fully Cured product A + B as SAFE, NON-TOXIC and NON-HAZARDOUS. (Product is STABILIZED — putty to solid — NON-CRITICAL pH)

## **Section 7 — PRECAUTIONS FOR SAFE HANDLING & USAGE**

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Individuals should always wear protective work clothing and dust face mask when grinding cured compound. Modeling Clay should be stored in a closed container to preserve bench life. PRODUCT IS FREEZE-THAW STABLE. May be disposed of in a normal Sanitary Landfill in accordance with local regulations.

## **Section 8 — PROTECTION & CONTROL MEASURES**

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As per APOXIE SCULPT instructions, use NIOSH and OSHA approved equipment and work procedures when grinding and finishing the fully cured compound. Ventilation is suggested to keep work area dust levels below OSHA/NIOSH/TLV-TWA and PEL levels. APOXIE SCULPT is considered to be a possible eye irritant. EYE protection is an additional safety precaution.

## **Section 9 — SUPPLEMENTAL INFORMATION**

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APOXIE SCULPT Part A, Part B, and FULLY CURED Parts A + B have been fully tested and are hereby CERTIFIED as SAFE, NON-TOXIC, and NON-HAZARDOUS FORMULATIONS.

**CLEAN UP:** Simple water or solvent options.

## **Section 10 — MANUFACTURER'S WARRANTY**

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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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