

NuCrete III
MATERIAL SAFETY DATA SHEET

WonderPaint

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Version: 1.0
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Emergency: 270 792-5451

TRANSPORTATION EMERGENCY

CALL CHEMTREC: 800-424-9300 INTERNATIONAL: 703-527-3887

NFPA Classification:

Health: 0
Flammability: 0
Instability: 0
Special Hazards:

HMIS Classification:

Health: 0 *
Flammability: 0
Physical Hazard: 0
Personal Protection:

1. CHEMICAL PRODUCT IDENTIFICATION

Chemical Name: Anhydrous Aluminum Silicate
Trade Name: NuCrete III
Formula : $Al_2O_3 \cdot 2SiO_2$
Product Use: Industrial filler. Extender. Admixture for Portland cement-based compositions.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient CAS Number	Weight in Percent (%)	Notes
Kaolin, Calcined 92704-41-1	~ 100	None.
Titanium Dioxide (Naturally Occurring) 13463-67-7	0.4-2	A naturally occurring impurity in kaolin clay.

3. HAZARDS IDENTIFICATION

Emergency Overview:

Color: White
Form: Powder
Odor: Odorless
Flash Point, °C: Not Applicable

Most Important Hazards: Prolonged or repeated exposure may cause lung damage.

Potential Health Effects:

Inhalation: Nuisance dust. May cause irritation of the respiratory tract.

Ingestion: No adverse health effects are expected from swallowing.

Skin Contact: May cause mechanical irritation.

Eye Contact: May cause mechanical irritation.

Carcinogenicity:

Ingredient CAS Number	Weight in Percent (%)	NTP (Y/N)	IARC (See Notes)	OSHA (Y/N)	ACGIH (See Notes)
Kaolin, Calcined 92704-41-1	~ 100	N	N	N	A4
Titanium Dioxide (Naturally Occurring) 13463-67-7	0.4-2	N	N3	N	A4

Notes:

IARC: Y1=Carcinogenic to humans; Y2A=Probably carcinogenic to humans; Y2B=Possibly carcinogenic to humans; N3=Not classifiable as to its carcinogenicity; N=Not studied or probably not carcinogenic.

ACGIH: A1=Confirmed human carcinogen; A2=Suspected human carcinogen; A3=Confirmed animal carcinogen; A4=Not classifiable as a human carcinogen; A5=Not suspected as a human carcinogen; N=Not studied.

Chronic Health Hazards: Prolonged or repeated exposure may cause lung damage.

Aggravated Medical Conditions: Pulmonary disorders. Allergies.

4. FIRST AID MEASURES

Inhalation: Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

Ingestion: Procedures normally not needed. If a large amount is swallowed, seek medical attention.

Skin Contact: Flush skin with large amounts of water. If irritation persists, get medical attention.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point, °C: Not Applicable

Autoignition Temperature, °C: Not Applicable

Lower Explosive Limit, %: Not Applicable

Upper Explosive Limit, %: Not Applicable

Extinguishing Media: None - does not burn. Use extinguishing media appropriate for surrounding fire.

Fire Fighting Procedures: None required; however, when fighting chemical fires, self-contained breathing apparatus and protective clothing is recommended.

Unusual Fire and Explosion Hazards: Not a fire or explosion hazard.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Scoop up or vacuum into a container for reclamation or disposal. Avoid dusting.

7. HANDLING AND STORAGE

- Store in cool dry place.
- Material may be slippery when wet.
- Avoid generating or breathing dust.
- Avoid contact with eyes.
- Use with adequate ventilation.
- Wash thoroughly after handling.
- For industrial use only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient CAS Number	Weight in Percent (%)	NTP (Y/N)	IARC (See Notes)	OSHA (Y/N)	ACGIH (See Notes)
Kaolin, Calcined 92704-41-1	~ 100	N	N	N	A4
Titanium Dioxide (Naturally Occurring) 13463-67-7	0.4-2	N	N3	N	A4

Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulates only). All ACGIH TLVs refer to the 2005 standards. Unless otherwise noted, all OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, June 30, 1993.

Personal Protective Equipment: Safety glasses with side shields. Wear suitable gloves.

Respiratory Protection: Use approved respiratory protection if exposure limits are exceeded, or overexposure is likely. If respiratory protection is used, follow all requirements for respiratory programs set forth in OSHA regulations (29 CFR 1910.134).

Ventilation: General ventilation. Local exhaust ventilation is recommended to control exposures to within applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Powder
Color: White
Odor: Odorless
Solubility (in water): Insoluble

10. STABILITY AND REACTIVITY

Stability Data: Stable
Conditions/Hazards to Avoid: None anticipated
Incompatibility (Materials to Avoid): None anticipated.
Hazardous Decomposition Products: None anticipated
Polymerization: None anticipated.

11. TOXICOLOGICAL INFORMATION

Information on Product: No data available.
Information on Components:

Ingredient CAS Number	Weight in Percent (%)	OSHA PEL	ACGIH TLV
Kaolin, Calcined 92704-41-1	~ 100	15 mg/m ³ (Total dust) 5 mg/m ³ (Respirable fraction)	2 mg/m ³ (Respirable fraction)
Titanium Dioxide (Naturally Occurring) 13463-67-7	0.4-2	15 mg/m ³ (Total dust)	10 mg/m ³ (Total dust)

12. ECOLOGICAL INFORMATION

Information on Product:

Environmental Fate: Not hazardous to the environment.

Ecotoxicological Information: Not hazardous to the environment.

13. DISPOSAL CONSIDERATIONS

US EPA Waste Number: Not Regulated

Disposal of Waste Method: This product, if disposed as received, is a non-hazardous waste. Local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

14. TRANSPORT INFORMATION

International Transport Regulations:

ICAO Class: Not Regulated

IMO Class: Not Regulated

US Transportation Regulations:

DOT Classification: Not Regulated

Canadian Transportation of Dangerous Goods (TDG):

TDG Classification: Not Regulated

15. REGULATORY INFORMATION

International Inventories:

United States: This product or its ingredients are listed on or compliant with the TSCA Inventory.

Canada: This product or its ingredients are listed on or compliant with the DSL.

Europe: This product or its ingredients are listed on or compliant with EINECS.

Japan: Not Determined

Australia: Not Determined

Korea: This product or its ingredients are listed on or compliant with the ECL.

Philippines: This product or its ingredients are listed on or compliant with PICCS.

China: This product or its ingredients are compliant with the IECSC.

US Federal Regulations:

Ingredient	Weight in Percent (%)	Subject to SARA 313 Reporting	CAS Number
Kaolin, Calcined	~ 100	No	92704-41-1
Titanium Dioxide (Naturally Occurring)	0.4-2	No	13463-67-7

SARA 311/ 312 Hazard Categories: Chronic Health Hazard

CAA 602 Ozone Depleting Substances (ODS):

This product neither contains nor is manufactured with an ozone depleting substance subject to the labeling requirements of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

VOC Content: None

US State Regulations:

VOC Content (CARB): None

Coalition of Northeastern Governors (CONEG): This product is compliant with CONEG requirements for packaging components (<100 ppm total metals).

Canadian Regulations: Not Regulated

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

NOTICE

The information in this Material Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for persons working with or handling this product. The information presented in the MSDS is premised upon proper handling and anticipated uses, and is for the material without chemical additions/alterations. We believe this information to be reliable and up-to-date as of the date of publication, but make no warranty that it is.