

MATERIAL SAFETY DATA SHEET

COMPLIES WITH: OSHA's Hazard Communications Standard
Canada's WHMIS

SECTION 1 -- MATERIAL IDENTIFICATION AND USE

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| PRODUCT NAME NOLOCHITE R | | DISTRIBUTED BY HAMMILL & GILLESPIE INC. | |
| SPECIFIC CHEMICAL IDENTITY, COMMON NAME(S) Kaolin; China Clay (Aluminum Silicate); calcined clay | | CAS NUMBER 66402-68-4 | P.O. BOX 104 LIVINGSTON, NJ 07039 |
| MANUFACTURER'S NAME ECC Internacional | | SUPPLIER'S NAME ECC Internacional | |
| STREET ADDRESS John Keay House | | STREET ADDRESS 5775 Peachtree-Dunwoody Road, 200G | |
| CITY St. Austell | STATE Cornwall, England | CITY Atlanta | STATE GA |
| ZIP CODE PL 25 4 DJ | EMERGENCY TELEPHONE NUMBER (404)843-1551 | ZIP CODE 30342 | EMERGENCY TELEPHONE NUMBER (912)552-6136 |

USES
Raw Material Used in Manufacture of Ceramics

SECTION 2 -- HAZARDOUS INGREDIENTS

| HAZARDOUS MATERIAL | % | CAS NUMBER | I.D.# OF MATERIAL (SPECIFY SPECIES AND ROUTE) | LC50 OF MATERIAL (SPECIFY SPECIES) |
|--------------------|---|------------|--|---------------------------------------|
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Notes

Kaolin is affirmed by the FDA as generally recognized as safe (GRAS); 21CFR. 186.1256.

SECTION 3 -- PHYSICAL DATA

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|--|--|---|---|---|
| PHYSICAL STATE Solid | | ODOR AND APPEARANCE Odorless white powder or gradings | | ODOR THRESHOLD (PPM) Not applicable |
| VAPOR PRESSURE (mm Hg.) Not applicable | VAPOR DENSITY (AIR=1) Not applicable | EVAPORATION RATE Not applicable | BOILING POINT (°C) Not applicable | FREEZING POINT (°C) Not applicable |
| SOLUBILITY IN WATER (20°C) Negligible | pH 4.0 - 5.0 | SPECIFIC GRAVITY 2.7 | | COEFF. WATER UL. DIST. Not applicable |

SECTION 4 -- FIRE AND EXPLOSION DATA

| | | | |
|--|----------------------------|---------------------------------|-------------------------------|
| FLAMMABILITY Non-Flammable | CONDITIONS OF FLAMMABILITY | | |
| MEANS OF EXTINCTION | | | |
| SPECIAL PROCEDURES | | | |
| FLASHPOINT (°C) AND METHOD | | UPPER EXPLOSION LIMIT | LOWER EXPLOSION LIMIT |
| AUTO IGNITION TEMPERATURE (°C) | | IDS FLAMMABILITY CLASSIFICATION | HAZARDOUS COMBUSTION PRODUCTS |
| EXPLOSION DATA Non-Explosive | SENSITIVITY TO IMPACT | SENSITIVITY TO STATIC DISCHARGE | |

SECTION 5 - REACTIVITY DATA

CHEMICALLY STABLE
 YES NO IF NO, UNDER WHICH CONDITIONS?

COMPATIBLE WITH OTHER SUBSTANCES
 YES NO IF NO, WHICH ONES?

REACTIVITY, AND UNDER WHAT CONDITIONS
 Not applicable

HAZARDOUS DECOMPOSITION PRODUCTS
 Not applicable

SECTION 6 - TOXICOLOGICAL PROPERTIES

PRIMARY ROUTE OF ENTRY
 SKIN CONTACT EYE CONTACT INHALATION INGESTION

| | | | |
|--|---|---|-------------------------------------|
| EFFECTS OF ACUTE EXPOSURE TO MATERIAL None | | EFFECTS OF CHRONIC EXPOSURE TO MATERIAL Chronic exposure to any nuisance dust may cause respiratory problems | |
| MUTAGENICITY OF MATERIAL None known | TERATOGENICITY OF MATERIAL None known | EXPOSURE LIMIT OF MATERIAL Nuisance dust TLV-TWA, 10 mg/m ³ total dust | IRRITANCY OF MATERIAL None known |
| SENSITIZING CAPABILITY OF MATERIAL None known | CARCINOGENICITY OF MATERIAL None known | REPRODUCTIVE EFFECTS OF MATERIAL None known | SYNERGISTIC MATERIALS None known |

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT
 Normal precautions for nuisance dust as below

| | | |
|---|---|---------------------------------|
| GLOVES (SPECIFY) Abrasion resistant gloves should be worn to avoid skin abrasion | RESPIRATORY (SPECIFY) Approved dust respirator | EYE (SPECIFY) Safety glasses |
| FOOTWEAR (SPECIFY) Not required | CLOTHING (SPECIFY) Not required | OTHER (SPECIFY) None |

ENGINEERING CONTROLS (SPECIFY E.G. VENTILATION ENCLOSED PROCESS)
 Proper ventilation to maintain dust levels below TLV-TWA

LEAK AND SPILL PROCEDURE
 Material is slippery when wet. Clean up by sweeping, vacuuming, or flush with water

WASTE DISPOSAL
 Dispose in accordance with local, state, and federal regulations regarding solid waste

HANDLING PROCEDURES AND EQUIPMENT
 Precautions for nuisance dust to maintain dust levels below TLV-TWA.

STORAGE REQUIREMENTS
 Precautions for nuisance dust to maintain dust levels below TLV-TWA.

SPECIAL SHIPPING INFORMATION
 Material is not restricted

SECTION 8 - FIRST AID MEASURES

INGESTION
 None required, no known hazard.

INHALATION
 Remove to fresh air.

EYES
 Flush with water to remove dust.

SKIN
 Wash with water to remove dust.

SECTION 9 - PREPARATION

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| PREPARED BY (GROUP, DEPARTMENT, ETC.) Marketing Department | PHONE NUMBER (404) 843-1551 | DATE Reviewed September 9, 1994 Jan. 1, 1990 |
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