

# MATERIAL SAFETY DATA SHEET

Wel-Cote™ Perlite

FILE NO: PRLT  
MSDS DATE: 8/17/2006

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Wel-Cote™ Perlite  
SYNONYMS: Ad Mix, aggregate, sand texture  
PRODUCT CODES: 552(6 oz.), 553(30 oz.)  
MANUFACTURER: Welco Manufacturing Company  
ADDRESS: 1225 Ozark Street, North Kansas City, Missouri 64116

EMERGENCY PHONE: (800)821-7352  
OTHER CALLS: (816)471-1788  
FAX PHONE: (816) 471-3439

CHEMICAL FAMILY: Amorphous siliceous mineral-silicate.  
CHEMICAL FORMULA: Sodium-potassium-aluminum-silicate of variable composition.

PRODUCT USE: Paint additive.  
PREPARED BY: Robert L. Hamilton

### SECTION 1 NOTES:

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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INGREDIENT	CAS Number	% WT	% VOL	TLV (mg/m <sup>3</sup> )	PEL(mg/m <sup>3</sup> )
Perlite Ore	None	100	100	15	5
May contain: Crystalline Silica	14808-60-7	<.1	<.1	0.1(R)	0.1(R)

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## SECTION 3: HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW: Not hazardous when used according to directions.

ROUTES OF ENTRY: Eyes, Mouth, and Nose

### POTENTIAL HEALTH EFFECTS

**EYES:** Contact can cause mechanical irritation. Rinse with water for at least 15 minutes. If burning, redness or pain persist, contact a physician.

**SKIN:** Prolonged contact may cause irritation. Wash with soap and water. If irritation persists, contact a physician.

**INGESTION:** Material is nontoxic, however, ingestion of a significant quantity may cause an obstruction. If gastric discomfort occurs, contact a physician.

**INHALATION:** Inhalation of dust may irritate nose, throat, and lungs. Remove to fresh air. Seek medical attention if condition persists.

### ACUTE HEALTH HAZARDS

**EYES:** May cause mechanical irritation of the eyes, burning, redness, or pain. If these conditions persist, contact a physician.

**SKIN:** This material hardens when mixed with water. Heat is generated as the material sets. **DO NOT** attempt to make a cast of the body using this material. Use of this product for making casts of the body can cause severe burns which may result in the need for surgical removal of the damaged tissue or amputation of the affected limb. Prolonged contact with the skin may result in abrasions. If irritation persists, contact a physician.

**INHALATION:** The dust from dry product or as a result of sanding may cause upper respiratory irritation. If this condition develops, remove the person to fresh air. If these conditions persist, contact a physician.

**INGESTION:** Unlikely to occur. If significant quantity is swallowed, the product may cause gastric blockage. If this occurs, contact a physician.

**CHRONIC HEALTH HAZARDS:** Chronic overexposure to dust may result in lung disease and/or cancer.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Pre-existing upper respiratory and lung diseases, which may include, but are not limited to, bronchitis, emphysema, and asthma.

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## CARCINOGENICITY

MATERIAL  
Respirable Crystalline Silica

NTP:  
Anticipated

IARC:  
Group 1

SECTION 3 NOTES: When used as directed, quantities of Respirable Silica would be expected to be less than the prescribed OSHA/NIOSH limits. Wear eye and skin protection. Use NIOSH/MSHA approved respirator when dry sanding.

## SECTION 4: FIRST AID MEASURES

EYES: Rinse with water for at least 15 minutes. If redness or irritation persists, consult physician.

SKIN: Rinse with soap and water. If irritation persists, consult physician.

INGESTION: If nausea or irritation or gastric blockage occurs, consult physician.

INHALATION: Remove to fresh air. If respiratory symptoms persist, consult physician.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Rinse affected areas with water.

## SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: None  
LOWER: None

FLASH POINT: Non-Combustible

AUTOIGNITION TEMPERATURE: None

### NFPA HAZARD CLASSIFICATION

HEALTH: 1                      FLAMMABILITY: 0                      REACTIVITY: 0  
OTHER: N/A

### HMIS HAZARD CLASSIFICATION

HEALTH: 1                      FLAMMABILITY: 0                      REACTIVITY: 0  
PROTECTION: E

EXTINGUISHING MEDIA: Use appropriate extinguishing media for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Use normal clean up procedures. Area may become slick, take caution to avoid falling. Wear appropriate protective equipment. Shovel material into a waste container for disposal.

SECTION 6 NOTES: Dispose of material in accordance with federal, state, and local regulations.

## SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Use appropriate personal protection equipment when handling and finishing.

OTHER PRECAUTIONS: Store in dry conditions. Conditions causing the presence of liquid will harden this material during storage.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Minimize dust exposure in accordance with good hygiene practices.

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**VENTILATION :** Ventilate to keep exposures below TLV.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved respirator when dry sanding.

**EYE PROTECTION:** Wear safety glasses or goggles to prevent particulate irritation to the eye.

**SKIN PROTECTION:** Generally not necessary, but may be desirable in certain conditions.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None

**WORK HYGIENIC PRACTICES:** Follow acceptable good hygiene practices.

**EXPOSURE GUIDELINES:** Use wet sanding technique to avoid exposure to dust.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Off-white powder to grey powder.

**ODOR:** Low odor.

**PHYSICAL STATE:** Dry powder.

**pH AS SUPPLIED:** N/A

**BOILING POINT:** N/A

F:

C:

**MELTING POINT:** N/A

F:

C:

**FREEZING POINT:** N/A

F: N/A

C: N/A

**VAPOR PRESSURE (mmHg):** N/A

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F: 20°

C: -8°

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.5-2.5

**SOLUBILITY IN WATER:** Slight

**PERCENT SOLIDS BY WEIGHT:** 100

**PERCENT VOLATILE:**

BY WT/ BY VOL @ 212°F/ 100°C

0

0

**VOLATILE ORGANIC COMPOUNDS (VOC):** None

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## SECTION 10: STABILITY AND REACTIVITY

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STABLE

UNSTABLE

**STABILITY:** Yes

**CONDITIONS TO AVOID (STABILITY):** Liquids will cause product to harden.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Hydrofluoric acid.

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**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Reacts with Hydrofluoric acid to form toxic silicon tetrafluoride gas..

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID (POLYMERIZATION):** None.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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**TOXICOLOGICAL INFORMATION:** Not toxic.

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## SECTION 12: ECOLOGICAL INFORMATION

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**ECOLOGICAL INFORMATION:** No effect known.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** Dispose of in accordance with federal, state, and local regulations, as these will differ from one area to the next.

**RCRA HAZARD CLASS:** None

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

**PROPER SHIPPING NAME:** Wel-Cote® Perlite

**HAZARD CLASS:** Non Hazardous

**ID NUMBER:** NMFC 154991

**PACKING GROUP:** None

**LABEL STATEMENT:** None

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## SECTION 15: REGULATORY INFORMATION

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### U.S. FEDERAL REGULATIONS

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** N/A

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** N/A

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** N/A

**311/312 HAZARD CATEGORIES:** None

**313 REPORTABLE INGREDIENTS:** None

**STATE REGULATIONS:** None

**INTERNATIONAL REGULATIONS:** IARC Group I