

**SAFETY DATA SHEET**      **VERSION 1**

**PERMACOLOR QUARTZ AGGREGATES**

**SECTION 1 PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT BRAND NAME:** PERMA COLOR QUARTZ AGGREGATES

**PRODUCT IDENTIFICATION :** SAND COATED VARIOUS COLORS

**CHEMICAL NAME:** SILICON DIOXIDE (SIO2)

**COMPANY IDENTIFICATION:**

CLIFFORD W. ESTES CO., INC  
182 FAIRFIELD RD  
FAIRFIELD, NJ 07004  
PHONE: 973.575.4400

**SECTION 2 HAZARDS IDENTIFICATION**

**GHS HAZARD CLASSIFICATION:** NOT CLASSIFIED

**GHS LABEL ELEMENTS:**

**SIGNAL WORD:** NO SIGNAL WORD

**LABEL CODES/PICTOGRAMS:** NO PICTOGRAMS

**HAZARD STATEMENTS:** NONE UNDER GHS CLASSIFICATION

**PRECAUTIONARY STATEMENTS:** NONE ASSIGNED UNDER GHS

**Special Statement regarding Hazardous ingredients:**

Although these products are composed primarily of Silica Sand (SIO2), and such sand is potentially a source of respirable dust, the sand particles are thoroughly encapsulated in a coating which captures all dust and should, under normal circumstances, prevent any normal release of silica dust to the workplace. See section 7 for handling information.

**SECTION 3 COMPOSITION**

CHEMICAL NAME	% WT	CAS#	OSHA (PEL)	ACGIH (TLV)
SILICA SAND	94	14808-60-7		.1MG/M3
RESIN	4.95	NON-HAZARDOUS	N/A	N/A
TIO2	0.99	13463-67-7		
INORGANIC COLARANTS	0.06	NON-HAZARDOUS		

**SECTION 4** **FIRST AID MEASURES**

Eye Contact: Remove in same manner as one would remove any foreign particle. Get medical attention if irritation develops.  
Skin Contact: Wash with soap and water. Get medical attention if irritation develops.  
Ingestion: Swallowing this product is not recommended but should not cause harm.  
Inhalation: Move from dusty area to fresh air and get medical attention for any breathing difficulty.

**SECTION 5** **FIRE FIGHTING MEASURES**

FLASH POINT: NON-FLAMMABLE

FLAMMABLE LIMITS: LEL- N/A , UEL - N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: Products of combustion may include irritating gases.

EXTINGUISHING MEDIA: This product is not combustible or flammable. Use extinguishing agents that are suitable to the surrounding fire; water spray, dry chemical, foam or CO<sub>2</sub>.

**SECTION 6** **ACCIDENTAL RELEASE MEASURES**

SMALL SPILL: If dust is generated, use appropriate respiratory protection. Vacuum or scoop material into an appropriately marked container for re-use or disposal. Avoid excessive generation of dust.

LARGE SPILL: Use recommended protective clothing and respiratory protection. Use shovel to reclaim material. Vacuum or scoop material into an appropriately marked container for re-use or disposal. Avoid excessive generation of dust. It is more effective to clean this product while dry by vacuuming or sweeping. However, spill area can be washed with water. Collect wash water for approved disposal. Prevent runoff from entering storm sewers and ditches which lead to natural waterways.

**SECTION 7** **HANDLING AND STORAGE**

STORAGE: Store dry at ambient temperature away from food and beverages, excessive heat or flame sources.

HANDLING: Avoid breathing dust. Avoid getting in eyes or on skin. Wash hands thoroughly after handling. Avoid contact with moisture.

**SECTION 8** **EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS: Maintain air levels below the recommended exposure limit using process enclosure and exhaust ventilation if necessary. Supply sufficient replacement air to make up for air removed by exhaust systems. If engineering controls and work practices are not effective in controlling exposures, appropriate personal protective equipment including a NIOSH/OSHA approved respirator should be worn/

EYES: Wear safety glasses with side shields or goggles. Eyewash stations should be available in the workplace.

SKIN: Wear rubber, PVC or leather gloves to facilitate personal hygiene.

RESPIRATORY PROTECTION: Workplace ambient dust concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved respirator with dust prefilter should be worn.

OTHER: Educate and train employees in the safe use and handling of hazardous chemicals.

WORK/HYGIENE PRACTICES: Employees should wash their hands and face before eating, drinking, or using tobacco products.

**SECTION 9** **PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT: NONE  
VAPOR PRESSURE: NONE  
VAPOR DENSITY: NONE  
% VOLATILES :<1%  
APPEARANCE: SAND OR AGGREGATE, TYPICAL COLORS

SPECIFIC GRAVITY: 2.65  
PH: INERT  
EVAPORATION RATE: N/A  
SOLUBILITY IN WATER: INSOLUBLE

Use of this product under normal and recommended conditions and specifications will pose no known hazards. However, if surfaces using this product are subjected to sanding or grinding as might occur for maintenance purposes, and such treatment produces respirable dust, then proper ventilation and breathing apparatus should be used. Under such conditions, NIOSH-BOM approved respirators should be worn.

GLOVES: Optional  
EYE PROTECTION: Full eye zone goggles should be worn.

**SECTION 10** **STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable. Keep away from flames and excessive heat as this could cause the bag to ignite.  
INCOMPATIBILITY: Dissolves in hydrofluoric acid.

**SECTION 11** **TOXICOLOGICAL INFORMATION**

EYES: Non irritating  
SKIN: Non irritating  
INGESTION: Non irritating  
INHALATION: Non irritating

**SECTION 12** **ECOLOGICAL INFORMATION**

NO APPRECIABLE BIOCONCENTRATION IS EXPECTED IN THE ENVIRONMENT.  
TOXICITY: SAFE FOR AQUATIC LIFE

**SECTION 13** **DISPOSAL CONSIDERATIONS**

Material which can not be reused should be disposed of in accordance with federal, state and local environmental control regulations at an authorized site by an approved contractor. Product and packaging can be disposed of or recycled as non-hazardous waste. Not a RCRA hazardous waste. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40CFR 261.20-24)

**SECTION 14** **TRANSPORTATION INFORMATION**

DOT SHIPPING NAME: None  
TECHNICAL SHIPPING NAME: Sand or aggregate  
DOT HAZARD CLASSIFICATION: None  
DOT HAZARD CLASS: None  
DOT IDENTIFICATION NUMBER: None  
DOT LABELS REQUIRED: None  
DOT PLACARDS REQUIRED: None  
UN CLASS: None  
UN/NA NUMBER: None  
FREIGHT CLASS: Sand 50

**SECTION 15** **REGULATORY INFORMATION**

OSHA: Silica sand is considered hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA/SUPERFUND: Not reportable. (40 CFR 117.302) However, we recommend you contact local authorities to verify requirements for your site.

TSCA: Components of this product are listed on the TSCA Inventory

CANADIAN WHMIS: Not restricted/non-hazardous.

CEPA: Components of this product are on the Domestic Substances List (DSL)

EINECS: Components of this product are on the European Inventory of Existing Commercial Chemical Substances

**HMIS RATINGS**

\*REFER TO SPECIAL STATEMENT IN SECTION 2.

HEALTH: 0\*      FLAMMABILITY: 0      REACTIVITY: 0

**SECTION 16** **OTHER INFORMATION**

No R-phrases