



COLOR QUARTZ
MATERIAL SAFETY DATA SHEET
Date Issued: 01/22/05
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name **Color Quartz**

Application Quartz for broadcasting into flooring systems.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	% by weight	OSHA (PEL)	ACGIH (TLV)
Silica Sand	14808-60-7	94		0.1MG/M3
Resin	Non-Hazardous Proprietary	4.95	N/A	N/A
TiO2	13463-67-7	0.99		
Colorants Organic and Inorganic	Non-Hazardous	0.06		

* Special Statement regarding Hazardous ingredients:
Although these products are composed primarily of Silica Sand (SiO₂), and such sand is potentially a source for 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 page two, Section VIII for further information on handling.

3. HAZARDS IDENTIFICATION

Harmful: danger of serious damage to health by prolonged exposure through inhalation of the respirable crystalline silica.
Breathing in respirable silica dust may ultimately lead to a lung disease known as silicosis.
Main hazard comes from generating dust on handling this component.

4. FIRST- AID MEASURES

Inhalation If irritation occurs, move to fresh air.
Skin Contact Wash with soap and plenty of water.
Eye Contact Hold eyelids apart and immediately flush with plenty of water.
 Seek medical attention if irritation persists.
Ingestion: Wash out mouth, do not swallow mouthwash.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment as detailed in Section 8.
 Avoid dust formation.
Methods for Cleaning Up Wet out spillage with water to minimize dust creation.
 Shovel into suitable container.
 Dispose in accordance with Section 13.

7. HANDLING AND STORAGE

Handling Provide sufficient air exchange and/or exhaust in work rooms. Avoid formation of dust cloud.
 Ensure adequate ventilation. Use personal protective equipment as detailed in Section 8.
 Handle and open container with care.

Storage Store in a dry, cool, well-ventilated place.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Maximum exposure limit for Silica, respirable crystalline dust : 0.1 mg/m³ 8h TWA (8 hour time weighted average) (CHAN)

Occupational Exposure Standard for dust, Total inhalable dust : 10mg/m³ 8h TWA

Respirable dust : 4 mg/m³ 8h TWA

Engineering measures to reduce exposure N/A

Personal Protective Equipment

Respiratory Protection Wear a particulate dust mask.

Eye Protection Goggles, safety spectacles with side pieces or face mask.

Skin and Body Protection PVC gloves and overalls (to prevent skin dryness or irritation from handling the quartz.)

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	None	Specific Gravity	2.65
Vapor pressure	None	pH	Inert
Vapor density	None	Evaporation Rate	N/A
% Volatiles	<1%	Solubility in Water	Insoluble
Appearance	Sand or aggregate, typical colors		

10. STABILITY AND REACTIVITY

Stability Stable
Incompatibility Dissolves in hydrofluoric acid
Conditions to Avoid None known

11. TOXICOLOGICAL INFORMATION

Quartzes are not classified as hazardous in accordance with local regulations.

Further Information Respirable crystalline silica dust may cause silicosis, a lung disease.
Long term exposures to high levels of respirable crystalline silica can also lead to an increased risk of developing lung cancer.

12. ECOLOGICAL INFORMATION

Ecotoxicity LC₅₀ aquatic toxicity rating not determined.
Biodegradation Resistant.
Additional ecological information This is a non-volatile and insoluble material and will accumulate in the ground.

13. DISPOSAL CONSIDERATIONS

Unused Product/Waste from Cleaning, etc. Dispose of unused material in accordance with local and national regulations.
Use EWC Code: 080199.
Contaminated Packaging Treat as non-hazardous packaging waste, use EWC Code 150101 for paper, 150102 for plastic.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

US EPA TSCA Status All chemical ingredients are listed on the TSCA inventory.

Canada Domestic All chemical ingredients are listed on the DSL

R-phrases

R48:R2 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

S-phrases

S22 Do not breathe dust.
S33 Take precautionary measures against static discharges.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Special Provisions Statement None

Hazardous Component(s) which must be listed on the label Respirable crystalline silica

EC Directives Dangerous Substances Directive, 67/548/EEC & adaptations
Dangerous Preparations Directive, 88/379/EEC
Safety Data Sheets Directive, 91/155/EEC

Statutory Instruments	Chemicals (Hazard Information & Packaging for Supply) Regs 2002. Control of Substances Hazardous to Health Regs 2002 Environmental Protection (Duty of Care) Regs. 1991.
Codes of Practice	Waste Management. The Duty of Care. Approved classification and labeling guide (Fifth edition). L131. The compilation of safety data sheets (Third edition).
Guidance Notes	Occupational Exposure Limits EH40 CHIP for Everyone HSG(108) Respirable Crystalline Silica: Phase 1 (EH75/4) Construction Information Sheet No 36 (revision 1) CIS36(rev1) - Silica Chemical Hazard Alert Notice 35 – Respirable Crystalline Silica

16. OTHER INFORMATION

This data sheet does not replace the obligation of the user to provide their own assessment of workplace risk as required by other Health & Safety legislation.

EC Directive relating to the classification, packaging and labeling of dangerous substances and preparations – Classification(s) and Risk (R) phrase(s) referred to in this document:

Xn	Harmful
R48:R20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.

HMIS Ratings

Health	1
Flammability	0
Reactivity	0
Personal protection	-

Training Advice

Applicators need to be trained in:-
Handling and hygiene associated with use of industrial chemicals.
Correct cleaning and disposal methods.

Notes

Beware of cross contamination where different products are in use in the same location.

Restrictions on Use

The product is intended for use by appropriately trained applicators in industrial situations. It is not suitable for use in home DIY applications, especially because of its hazardous nature and the protective measures required.

This safety data sheet is based on our present knowledge and experience and is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.