



# Material Safety Data Sheet

95 Goodwin Street, East Hartford, CT, 06108 (203) 528-9838

Date Prepared 9/1/05

IDENTITY (As Used on Label)	Q11 AND Q28 COLORED QUARTZ	Hazard Rating			
		0 - Least	1 - Slight	2 - Moderate	3 - High
COMMON NAME	Naturally Rounded Granules, Various Colors				
SECTION II - PRODUCT COMPONENTS		CAS#	%	OSHA PEL	ACGIH TLV
Silica Sand		14808-60-7	94-100	N.E.*1	N.E.
Respirable Free Silica		14808-60-7	0.0-0.1	10mg/m3	0.1mg/m3
				%SDI02+2	
Titanium Dioxide Pigment		13463-67-7	0-3	15mg/m3	10mg/m3
Iron Oxide Pigment		1309-37-1	0-3	15mg/3	10mg/m3
Cobalt Blue Pigment		1345-16-0	0-3	15mg/m3	10mg/m3
Kaolin Clay		1332-58-7	0-3	15mg/m3	10mg/m3
Chromium Oxide Green (trivalent chromium)*2		1308-38-9	0-3	0.5mg/m3	0.5mg/m3
				(As Chromium)	

\*NOTE 1 - N.E. = NONE ESTABLISHED  
 \*NOTE 2 - this product only 1-3ppm (0.0003%) leachable hexavalent chromium. Trivalent chromium is not specifically listed as a possible carcinogen. It is regulated under SARA III, 40CFR Part 372, Section 313. T.S.C.A. STATUS - O.K. on all above components.

\*\* IN CASE OF A CHEMICAL SPILL, LEAK, FIRE, OR ACCIDENT \*\*  
 CALL CHEMTREC 24 - HOUR EMERGENCY TELEPHONE NUMBER  
 1 - 800 - 424 - 9300

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	4,000F	Specific Gravity (H2O = 1)	>1
Vapor Pressure (mm Hg)	N/A	Melting Point	3,000F
Vapor Density (AIR = 1)	N/A	Evaporation rate (Glycol Acetate = 1)	N/A
Solubility in Water	INSOLUBLE		
Appearance and Odor	Various colored granules. No odor.		

## SECTION IV - FIRE and EXPLOSION HAZARD DATA

Flash Point (Closed Cup Method)	N/A	Flammable Limits	LEL N/A UEL N/A
Extinguishing Media	N/A		
Special Firefighting Procedures	N/A		

Unusual Fire and Explosion Hazards  
 N/A

## SECTION V - REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	NONE KNOWN
Incompatibility (Materials to Avoid)		
Hydrofluoric Acid and powerful oxidizing agents.		
Hazardous Decomposition or Byproducts		
NONE KNOWN		
Conditions to Avoid		
Hazardous Polymerization	May Occur	Will Not Occur
	X	NONE KNOWN

## SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	Yes	NO	NO
Signs and Symptoms of Exposure			
Shortness of breath and reduced pulmonary function.			
Health Hazards (Acute and Chronic)			
ACUTE - NO SYMPTOMS.			
CHRONIC - excessive inhalation of dust may result in respiratory disease such as silicosis, pulmonary fibrosis, etc. The IARC has evaluated in Vol.42 (monographs) that there is "sufficient evidence for the carcinogenicity of crystalline silica dust to experimental animal" and "limited evidence" with respect to humans.			
Carcinogenicity	NIH?	IARC Monographs?	OSHA Regulated?
	NO	YES*	NO *Level 2A Grouping
Medical Conditions			
Generally Aggravated by Exposure Lung disorders and persons subject to eye irritation.			
Emergency and First Aid Procedures			
EYES - Flush with water, holding lids open for 15 minutes or more. Call physician for advice if necessary.			
INHALATION: Move person to fresh area if effects occur. If needed, give oxygen or artificial respiration to improve breathing. Consult physician.			

\*\*NOTE\*\* PERSONS WITH LUNG DISORDERS OR WHO ARE SENSITIZED SHOULD NOT USE THIS PRODUCT.

## SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)			
Adequate exhaust ventilation and/or NIOSH approved silica dust respirator.			
Ventilation	Local Exhaust	To meet PEL requirements	Special
	Mechanical	Adequate to meet PEL requirements	None Known
Protective Gloves	Recommended	Eye Protection	Recommended
Other Protective Clothing or Equipment			
As appropriate for a specific application.			
An eye wash station or an adequate supply of clean water must be available at work area			
Workhygienic Practices			
Avoid creating and breathing dust			

## SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Signs to be Taken in Case Material is Released or Spilled  
 Collect into appropriate containers for disposal as an inert, non-metallic mineral.

Waste Disposal Method  
 Dispose waste material in a sanitary land fill or as regulated by local, state and federal regulations.

Precautions to be Taken in Handling and Storage  
 Avoid creation of respirable dust. Take precaution against bag breakage.

Other Precautions  
 None Known.

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should readily understand that he has all current data relevant to his particular use.