

**Material Safety Data Sheet**

**U.S. Department of Labor**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

**IDENTITY (As Used on Label and List)**

**Sand**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

<b>Manufacturer's Name</b> DunRite Sand & Gravel	<b>Emergency Telephone Number</b> (856) 692-2520
<b>Address (Number, Street, City, State, and ZIP Code)</b> 573 E. Grant Avenue Vineland, NJ 08360	<b>Telephone Number for Information</b> (856) 692-2520
	<b>Date Prepared</b> March 15, 2016
	<b>Signature of Preparer (optional)</b>

**Section II – Hazards Identification**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Silica, Quartz (CAS No. 14808-60-7)	OSHA PEL: Respirable crystalline silica (quartz) (8-hour TWA) = 0.10 mg/m <sup>3</sup>			
	The current OSHA PEL for Respirable Dust containing crystalline silica (quartz) is PEL= 10 mg/m <sup>3</sup> /(% silica + 2)			
	The current OSHA PEL for Total Dust containing crystalline silica (quartz) is PEL= 30 mg/m <sup>3</sup> /(% silica + 2)			
	The ACGIH TLV for Silica – crystalline – quartz (respirable fraction of particulate matter) = 0.1 mg/m <sup>3</sup>			
	OSHA PEL for Inert or Nuisance Dust (Respirable Fraction) = 5 mg/m <sup>3</sup>			
	OSHA PEL for Inert or Nuisance Dust (Total Dust) = 15 mg/m <sup>3</sup>			

**Section III – Composition/ Information on Ingredients**

Natural siliceous sand.
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**Section IV – First-Aid Measures**

Material does not react to skin or ingestion, but may be harmful if inhaled.			
Route(s) of Entry:	Inhalation? YES	Skin? YES	Ingestion? YES
Health Hazards (Acute and Chronic):			
Acute: Small particles can irritate skin and eyes. Exposure to dust may cause irritation of the respiratory tract including throat irritation and coughing.			
Chronic: Product may contain respirable crystalline silica in form of natural quartz. Prolonged exposure to high concentrations of respirable crystalline silica may cause silicosis and related pulmonary disease.			
Carcinogenicity:	NTP? Yes	IARC Monographs? Yes	OSHA Regulated? No
Signs and Symptoms of Exposure: Nose/Throat/Eye Irritation and Redness. In cases of prolonged (chronic) exposure to high levels of respirable crystalline silica, permanent lung injury (silicosis). Symptoms include difficulty breathing, chest pains, wheezing and coughing.			
Medical Conditions Generally Aggravated by Exposure: Dust may aggregate existing skin and/or eye conditions. Inhaling respirable dust may aggregate existing respiratory system disease(s).			
Emergency and First Aid Procedures : DUST IN EYES : Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists. DUST ON SKIN : Wash with soap and water. DUST INHALATION : Move to fresh air. If breathing becomes difficult, administer oxygen. Get medical help if irritation persists.			

**Section V – Fire-Fighting Measures**

Flash Point (Method Used) : Non-flammable	Flammable Limits : N/A	LEL : N/A	UEL : N/A
Extinguishing Media :	N/A		
Special Fire Fighting Procedures :	NONE		
Unusual Fire and Explosion Hazards :	NONE		

**Section VI – Accidental Release Measures**

Steps to Be Taken in Case Material is Released or Spilled :	
Spilled materials may create dust. Avoid dust generation. Wetting of spilled material may be necessary. Avoid dry sweeping.	
Waste Disposal Method :	
Dispose of waste materials in accordance with applicable local, state and federal laws/regulations	
Other Precautions:	N/A

Use dustless methods, water or wet HEPA-type vacuum, if not contaminated. Use water sprays and shovels to clean up spills. Do not dry sweep with broom, do not use compressed air. Dispose in accordance with federal, state and local regulations.

**Section VII – Handling and Storage**

Precautions to Be Taken in Handling and Storing:	
Respirable dust may be generated during handling and storage. Keep the dust levels down and avoid breathing dust.	

**Section VIII – Exposure Controls/Personal Protection**

Respiratory Protection ( <i>Specify Type</i> ) :		
Use NIOSH/MSHA approved dust respirators if dust levels exceed or are likely to exceed the OSHA PEL. Respirator use must comply with applicable OSHA and MSHA standards, in accordance with a written respiratory protection program which includes user training, repair and cleaning, fit testing, and other requirements.		
Ventilation	Local Exhaust Local exhaust may be necessary under some handling and use conditions to control dust levels below applicable exposure limits.	Special N/A
	Mechanical ( <i>General</i> ) N/A	Other N/A
Protective Gloves/Clothing :	Eye Protection:	
Recommended	Safety glasses with side shields should be worn as minimum protection.	
Other Protective Clothing or Equipment :		
Hard hat may be appropriate		

**Work/Hygienic Practices :**

Keep dust levels down. Wash dust-exposed skin with soap and water. Wear washable protective clothes at the worksite and wash work clothes after each use. Shower (if possible) and change into clean clothes before leaving the worksite to prevent contamination of cars, homes, and other work areas. Do not eat, drink or use tobacco products in dusty areas. Wash hands and face before eating, drinking or smoking outside dusty areas.

**Other Control Measures :**

Respirable dust levels should be monitored regularly. Dust levels exceeding the exposure limits should be reduced by all feasible engineering controls. Safety showers and eye wash stations should be available.

**Section IX – Physical/Chemical Characteristics**

Boiling Point	4046 °F	Specific Gravity (H <sub>2</sub> O = 1)	2.65
Vapor Pressure (mm Hg.)	N/A	Melting Point	3050°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	insoluble	Appearance and Odor	White, Tan, Orange or Brown; No Odor

**Section X – Stability and Reactivity**

Stability	Unstable		Conditions to Avoid
			N/A
	Stable	X	
Incompatibility ( <i>Materials to Avoid</i> ) :			
None			
Hazardous Decomposition or Byproducts :			
N/A			
Hazardous Polymerization	May Occur		Conditions to Avoid
			N/A
	Will Not Occur	X	

**Section XI – Toxicological Information**

N/A

**Section XII – Ecological Information**

N/A

**Section XIII – Disposal Considerations**

Dispose in accordance with federal, state and local regulations.

**Section XIV – Transport Information**

N/A

**Section XV – Regulatory Information**

N/A

**Section XVI – Other Information**

N/A