



ABRASIVE PRODUCTS

(1636, 2050, 3060)

MATERIAL SAFETY
DATA SHEET

SECTION I - PRODUCT IDENTIFICATION		HMIS
Manufacturer's Name:	Green Diamond Sand Products	Health - O
Telephone:	(541) 874-3111	Flammability - O
Address:	PO Box D, Riddle, OR 97469	Reactivity - O
Date Prepared:	August 1, 2010	Protective Gear - K

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION			
Hazardous Components (Specific Chemical ID - Common Names)	CAS No.	ACGIH TLV	OSHA PEL
SiO ₂ (Silicates)	112926-00-8	10 mg/m ³	10 mg/m ³
MgO (Magnesium Oxide)	1309-48-4	10 mg/m ³	10 mg/m ³
Fe ₂ O ₃ (Iron Oxide)	1309-37-1	10 mg/m ³ *	10 mg/m ³
Al ₂ O ₃ (Aluminum Oxide)	1344-28-1	10 mg/m ³	10 mg/m ³
CaO (Calcium Oxide)	1305-78-8	2 mg/m ³	5 mg/m ³
Ni (Nickel)	7440-02-0	1 mg/m ³	1 mg/m ³
Cr ₂ O ₃ (Chromium Oxide)	1308-38-9	10 mg/m ³ *	15 mg/m ³ *

*Regulated as for nuisance particulate (dust).

TYPICAL ANALYSIS:		
SiO ₂	50.2%	<i>All SiO₂ reported in Green Diamond materials is in the form of silicates and contains no crystalline silica. Crystalline silica is the only form of silica suspected of being carcinogenic.</i>
MgO	31.4%	
Fe ₂ O ₃	15.9%	
Al ₂ O ₃	1.6%	
CaO	0.7%	
Ni + NiO	<.1%	
Cr ₂ O ₃	.1%	
Trace Elements & Compounds (total)	1.5%	
TOTAL	99.8%	

SECTION 313: SUPPLIER NOTIFICATION:		
This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):		
<u>CAS #</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
7440-02-0	Nickel	<.1%
This information should be included in all MSDSs that are copied and distributed for this material.		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	NA
Vapor Pressure (mm Hg.):	NA
Vapor Density (AIR = 1):	NA
Specific Gravity (H2O = 1):	3.0
Melting Point:	2,650 Deg. F
Evaporation Rate:	NA
Solubility in Water:	Not soluble in water
Appearance and Odor:	Green, Gray granular, no odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point:	NA
Flammable Limits:	NA
Extinguishing Media:	NA
Special Fire Fighting Procedures:	None
Unusual Fire & Explosion Hazards:	None

SECTION V - REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	None
Incompatibility (materials to avoid):	None
Hazardous Decomposition or By-Products:	None
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Yes
	Skin?	No
	Ingestion?	No
Health Hazards (Acute & Chronic):		No specific health hazards; should avoid specified limits for compounds listed in Section II.
Carcinogenicity:	NTP?	No
	IARC Monographs?	No
	OSHA Regulated?	Yes, control for compounds in Section II and for nuisance dust.
Sign & Symptoms of Exposure:		Typical of over exposure to nuisance dust.
Medical Conditions Generally Aggravated by Exposure:		Respiratory conditions.
Emergency & First Aid Procedures:		As relevant for over exposure to nuisance dust.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be Taken in Case Material is Released or Spilled:	Clean up with broom or vacuum.
Waste Disposal Method:	Follow federal, state, and local regulations for disposal as in inert solid waste.
Precautions to be Taken in Handling & Storing:	No specific precautions.
Other Precautions:	None

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type):	NIOSH/OSHA/MSHA approved particulate filter respirator.
Ventilation:	Yes
Local Exhaust:	Yes
Mechanical (General):	Use to meet TLV requirement if dust is generated.
Special:	None
Other:	None
Protective Gloves:	Yes, if handling.
Eye Protection:	Yes, safety glasses.
Other Protective Clothing or Equipment:	Appropriate apparel.
Work/Hygienic Practices:	Use material for the purpose intended and incorporate methods of dust control that are effective in maintaining airborne dust concentrations within the TLV.

NOTICE

While the information included in this MSDS has been obtained from reliable sources, this information is furnished without any warranty (expressed or implied), representation, inducement, or license except that it is accurate to the best of Green Diamond Sand Products knowledge. This information is offered solely for your consideration, investigation, and verification. Any use of this information must be determined by the user to be in accordance with applicable federal, state, and local laws and regulations. Furthermore, the conditions or methods of handling, storage, use and disposal of the product are beyond the control and knowledge of Green Diamond Sand Products. Green Diamond Sand Products does not assume responsibility and expressly disclaim liability for any loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product. Buyer assumes all risks in its use of the product.