

**MATERIAL SAFETY DATA SHEET**

Date January 4, 2014

Optional/Company Official G.W. Oeding

**IDENTITY**

**LABEL** \_\_\_\_\_

**SYNONYMS:**

**ABSORB-N-DRY**

**SECTION I**

**MANUFACTURER'S NAME**----Balcones Minerals Corporation

**Description:** Absorbent Clay

**ADDRESS**----- 233 Balcones Lane (P. O. Drawer B)  
Flatonia, Texas 78941

**DOT Listing:** NMFC 48170 Clay, Crushed  
or Ground In Bags

**TELEPHONE NO.**-----**(361) 865-3544** Emergency & Information  
**(361) 865-3666** Fax

**CAS No**-----8031-18-3

**SECTION II--Hazardous Ingredients/Identify Information**

<u>Hazardous Components (Specific Chemical Identify: Common Name)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits Recommended</u>	<u>References</u>
May Contain Some Respirable Crystalline Quartz (Dust) Permissible Exposure Limits				
<1% Respirable Crystalline Quartz 29CFR1910.1000	5.0 mg./M3	5.0 mg./M3		
>1% Respirable Crystalline Quartz	0.1 mg./M3	0.1 mg./M3		TABLES Z1A:23
Max. Concentration of Respirable Crystalline Quartz			0.05 mg./M3 10 mg/M3/%5:0 242	NIOSH MSHA

**SECTION III--Physical/Chemical Characteristics**

**BOILING POINT**-----N/A

**SPECULA GRAVITY (H2O-1)**-----Approx. 1.5

**MELTING POINT**-----N/A

**VAPOR PRESSURE (mm Hg.)**-----N/A

**VAPOR DENSITY (AIR-1)**-----N/A

**EVAPORATION RATE (Butyl Acetate-1)**-----None

**SOLUBILITY IN WATER**-----Insoluble

**APPEARANCE**-----Tan To White Colored Granules

**ODOR**-----None

**SECTION IV--Fire and Explosion Hazard Data**

**FLASH POINT (Method Used)**-----None

FLAMMABLE LIMITS-----None  
LEL-----None  
UEL-----None  
EXTINGUISHING MEDIA-----None  
SPECIAL FIRE FIGHTING PROCEDURE-----None Required  
UNUSUAL FIRE AND EXPLOSION HAZARDS-----None

SECTION V--Reactivity Data

STABILITY - STABLE  
CONDITION TO AVOID-----Absorbed Highly Oxidizable Liquids, Heat Build Up  
May/Occur. Allow Time For Mix To Cool Before  
Packaging Or Storing In Sealable Containers  
INCOMPATIBILITY (Material To Avoid)----Hydrofluoric Acid, Vegetable Oils, Turpentine and  
Unsaturated Organic Compounds  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS---None  
CONDITIONS TO AVOID-----None  
HAZARDOUS POLYMERIZATION-----Will Not Occur

SECTION VI--Health Hazard Data

ROUTE OF ENTRY:  
INHALATION-----Yes  
SKIN-----No  
INGESTION-----No  
HEALTH HAZARDS (Acute and Chronic)-----Repeated Excessive Inhalation Of Dust That Exceeds  
Prescribed Limits May Result In Injury To Lungs And  
Pulmonary Discomfort  
CARCINOGENICITY: NTP-----No  
IARC Monographs-----Yes  
OSHA Regulate-----No  
Free crystalline Silica According To IARC Has Exhibited Limited Evidence  
Of Carcinogenicity In Animals And Humans (Over Exposure)  
SIGNS AND SYMPTOMS OF EXPOSURE-----Coughing, Labored Breathing, Pulmonary Discomfort  
MEDICAL CONDITIONS GENERALLY  
AGGRAVATED BY EXPOSURE-----May Affect Existing Pulmonary And Respiratory  
Conditions

EMERGENCY AND FIRST AID PROCEDURES-----Find Ventilation, Remove To Fresh Air, Seek Medical  
Help If Severe. Eyes: Rinse (Flush) With Water.  
If Severe, Seek Medical Assistance

SECTION VII--Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS  
RELEASED OR SPILLED-----Use Approved Dust Mask Or Respirator, If Airborne  
Levels Exceed PEL/TLV. Sweep Up Or Vacuum, Store In  
Dry Place

WASTE DISPOSAL METHOD-----Check Local, State & Federal Ordinances. Dispose In Compliance With Regulations. Landfills, Incinerate Or Other

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING-----Control Airborne Particulates To Level Acceptable Under PEL/TLV (1 mg/M3)

OTHER PRECAUTIONS-----Store In Dry, Ventilated Area--Keep Covered

SECTION VIII--Control Measures

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RESPIRATORY PROTECTION:

NIOSH/MSHA APPROVED RESPIRATOR-----If Dust Levels Exceed PEL/TLV-Adequate Ventilation

VENTILATION: Local Exhaust-----Sufficient Ventilation To Reduce Levels  
Special-----None  
Mechanic(General)-----Reduce Levels To Equal Or Below PEL  
Other-----None

PROTECTIVE GLOVES-----Optional If Sensitive Skin Exists

EYE PROTECTION-----Recommended (Goggles) Approved

OTHER PROTECTIVE CLOTHING OR EQUIPMENT--Optional

WORK/HYGIENIC PRACTICES-----Practice Good Housekeeping, Follow All Suggested Regulations, Insure Ventilation And Maintain Acceptable Levels

SECTION IX--General

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OTHER

HAZARD RATING

	Fire - 0	
4 - Extreme		
3 - High	Toxic - 0	Reactive - 0
2 - Moderate		
1 - Slight		
0 - Insignificant	Special - -	

Formula-----Natural Earth Composition (See Table I)

USDA Approved-----Yes

pH-----Inert (Approx. 7)

MOHS HARDNESS-----Approx. 1.5

VOLUME PER CUBIC FOOT-----36 to 38 lbs.



TABLE 1

SIMPLE OXIDE EQUIVALENTS

<u>Component</u>	<u>Composition. % Dry Basis</u>
Silicon dioxide (SiO <sub>2</sub> )	65.92
Titanium dioxide (TiO <sub>2</sub> )	.79
Aluminum oxide (Al <sub>2</sub> O <sub>3</sub> )	6.11
Ferric oxide (Fe <sub>2</sub> O <sub>3</sub> )	2.97
Calcium oxide (CaO)	1.32
Magnesium Oxide (MgO)	.60
Potassium oxide (K <sub>2</sub> O)	.64
Sodium oxide (Na <sub>2</sub> O)	< 0.01
Manganic oxide (Mn <sub>2</sub> O <sub>3</sub> )	< 0.01
Phosphorus pentoxide (P <sub>2</sub> O <sub>5</sub> )	0.02
Sulfur trioxide (SO <sub>3</sub> )	< 0.01
Loss on Ignition	11.62