

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifiers

Product Name: Dicalite Natural Diatomaceous Earth (DE)
Product Number: SA3
Trade Name: Untreated Diatomaceous Earth
General Use: Natural Filler
Chemical Family: Natural Diatomaceous Earth

Relevant Identified Uses

Identified Uses: As a filtration aid, abrasive, insecticide, absorbent, matting agent, reinforcing filler, porous support for chemical catalysts and other common commercial and industrial applications.

Supplier Details

Company: Dicalite Management Group, Inc.
1001 Conshohocken State Road, Suite 1-500
Conshohocken, PA 19428
USA
Telephone: (866) 728-3303

Emergency Telephone Number

Emergency Phone #: (866) 728-3303; Regular Business Hours (8AM – 5PM)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Component Classified – None

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) – Not Classified

GHS Label elements, including precautionary statements

Pictogram Not applicable
Signal word No signal word
Hazard statement(s) No known significant effects or critical hazards
Precautionary statement(s) Not applicable

Hazards not otherwise classified (HNOC) or not covered by GHS – none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances (Diatomaceous Earth)

Synonyms: Siliceous Diatom Remains, Infusorial Earth
Class: Siliceous Sedimentary Rock

Ingredients

Chemical Name, Empirical Formula	CAS Number	EINECS Number	Percentage (%)
Natural Diatomaceous Earth	61790-53-2	231-545-4	99% WT
Crystalline Silica (SiO ₂ Non-Respirable)	14808-60-7 14464-46-1	238-878-4 238-455-4	<1% WT

Hazardous Components

These products may contain Respirable Crystalline Silica (CAS #'s 14808-60-7 and 14464-46-1) at trace concentration levels below HazCom 2012 and GHS Revision 3 hazard classification limits. Per XRC analysis, which combines the analytical capabilities of X-Ray Diffraction, Computer Controlled Scanning Electron Microscopy/Energy Dispersive Spectroscopy and Raman Spectroscopy to conduct particle-by-particle inter-instrumental relocation and

physicochemical/mineralogical analysis - naturally occurring trace level substances in these products, including Respirable Crystalline Silica are inextricably bound, environmentally unavailable and at de minimis concentrations. Thus, in the current and anticipated future physical state of these products, they are believed to be incapable of causing harm under normal conditions of use or in an extreme upset environment.

4. FIRST AID MEASURES

Description of Necessary First Aid Measures

Eye Contact: In case of eye contact, flush eyes with water. If necessary, seek medical attention

Inhalation: If adverse effects occur, remove to uncontaminated area. If not breathing, give artificial respiration or oxygen by qualified personnel. Seek immediate medical attention

Skin Contact: Use good hygiene practices including washing of skin with soap and water. If irritation occurs, seek medical attention

Ingestion: If a large amount is swallowed, get medical attention

Most Important Symptoms/Effects, Acute and Delayed

Potential Acute Health Effects

Eye Contact	No known significant effects or critical hazards
Inhalation	No known significant effects or critical hazards
Skin Contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards

Over-Exposure Signs/Symptoms

Eye Contact	No known significant effects or critical hazards
Inhalation	Long term exposure to high airborne concentrations may result in inflammation of the small airways and asthma-like symptoms
Skin Contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards

Indication of any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically. Seek medical care if large quantities have been ingested or inhaled.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media

Uncontaminated product is not Flammable. Use fire extinguishing media appropriate for surrounding materials

Unsuitable Extinguishing Media

None Known

Special Hazards Arising from the Chemical

No specific fire or explosion hazard

Hazardous Thermal Decomposition Products

None Known

Special Protective Actions for Firefighters

No special measures are required

Special Protective Equipment for Firefighters

As appropriate, fire-fighters should wear protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel

Products are naturally occurring earthen materials. No special precautions are known.

For Emergency Responders

Products are naturally occurring earthen materials. No special precautions are known.

Environmental Precautions

Products are earthen materials. No special precautions are known.

Methods and Material for Containment and Cleaning Up

Handle wastes in accordance with local requirements.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear personal protective equipment in accordance with those recommendations provided in Section 8. Use good hygiene practices and wash hands and face before eating, drinking or conducting personal hygiene. Reduce contamination from clothing and protective equipment before entering eating areas.

Conditions for Safe Storage, Including any Incompatibilities

Store in accordance with local regulations

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

OSHA (PEL):	15 mg/m ³ (TWA, total particulates, not otherwise regulated)
	5 mg/m ³ (TWA, respirable particulates, not otherwise regulated)
ACGIH (TLV):	10 mg/m ³ (TWA, inhalable particulates, not otherwise regulated)
	3 mg/m ³ (TWA, respirable particulates, not otherwise regulated)

Engineering Controls: Observe occupational exposure limits and provide local ventilation as necessary to control dust inhalation.

Personal Protection:

Hygiene Measures: No specific recommendation made, but good hygiene practices are advised. Wash hands, forearms and face after handling products and prior to eating, smoking and using the lavatory. Launder contaminated clothing before reuse.

Eye/Face Protection: Wear eye protection where there is danger of eye contact. Provide eyewash stations to carefully rinse product from eyes should contact be made.

Skin and Body Protection: No specific protection noted, but gloves and coveralls may be used wherever processes create significant levels of skin contact. Wash hands at the end of each work shift and before eating, smoking and personal hygiene.

Respiratory Protection: No specific recommendation made, but appropriate respiratory protection must be used where general dust levels exceed occupational exposure limits. If needed to prevent irritation, wear appropriate protection in high dust conditions and affected work areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Powder
Color:	Off-White to Tan
Upper/lower flammability/explosive limits:	Not Flammable
Odor:	None
Odor threshold:	Not Applicable
Vapor pressure:	Not Applicable
Vapor density:	Not Applicable
pH:	Not Applicable
Specific Gravity:	2.3 (water = 1)
Melting/Freezing point:	>1300 °C (>2372 °F) / None-Solid
Solubility(ies)	Negligible
Initial boiling point and boiling range:	Not Applicable
Partition coefficient: n-octanol/water:	Not Applicable
Flash point:	Not Flammable
Auto-ignition temperature:	Not Applicable
Evaporation rate	Not Applicable
Decomposition temperature:	Not Available
Flammability (solid, gas):	Not Flammable
Granulometry:	Varies by Product
Viscosity	Not Applicable
Oxidizing Properties	Not Applicable
VOC Content (%)	None

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal temperature conditions.

Chemical Stability

These products are stable.

Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid

None known

Incompatible Materials

Hydrofluoric Acid (HF)

Hazardous Decomposition Products

Hazardous decomposition products should not be produced under normal conditions of storage and use.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity: No Known Significant Effects or Critical Hazards.

Irritation/Corrosion: No Known Significant Effects or Critical Hazards.

Sensitization: No Known Significant Effects or Critical Hazards.

Mutagenicity: No Known Significant Effects or Critical Hazards.

Carcinogenicity: No Known Significant Effects or Critical Hazards.

Reproductive Toxicity: No Known Significant Effects or Critical Hazards.

Teratogenicity: No Known Significant Effects or Critical Hazards.

Specific Target Organ Toxicity (Single Exposure): No Known Significant Effects or Critical Hazards.

Specific Target Organ Toxicity (Repeated Exposure): No Known Significant Effects or Critical Hazards.

Aspiration Hazard: No Known Significant Effects or Critical Hazards.

Information on the Likely Routes of Exposure (Dermal Contact, Eye Contact, Inhalation, Ingestion)

Potential Acute Health Effects

Eye Contact: No Known Significant Effects or Critical Hazards.

Inhalation: No Known Significant Effects or Critical Hazards.

Skin Contact: No Known Significant Effects or Critical Hazards.

Ingestion: No Known Significant Effects or Critical Hazards.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Eye Contact: May cause slight irritation, watering and redness.

Inhalation: May be irritating to nose, throat and respiratory tract.

Skin Contact: May be irritating to skin – can cause irritant/contact dermatitis.

Ingestion: May cause abdominal discomfort.

Delayed and Immediate Effects - Chronic Effects from Short and Long Term Exposure

Short Term Exposure

Potential Immediate Effects: No Known Significant Effects or Critical Hazards.

Potential Immediate Effects: No Known Significant Effects or Critical Hazards.

Long Term Exposure

Potential Immediate Effects: No Known Significant Effects or Critical Hazards.

Potential Immediate Effects: No Known Significant Effects or Critical Hazards.

Potential Chronic Health Effects

General: No Known Significant Effects or Critical Hazards.

Carcinogenicity: No Known Significant Effects or Critical Hazards.

Mutagenicity: No Known Significant Effects or Critical Hazards.

Teratogenicity: No Known Significant Effects or Critical Hazards.

Developmental Effects: No Known Significant Effects or Critical Hazards.

Fertility Effects: No Known Significant Effects or Critical Hazards.

Numerical Measures of Toxicity

Acute Toxicity Estimates: No data available for this product.

Toxicity: No data available for this product.

Persistence and Degradability: No data available for this product.

Bioaccumulative Potential: No data available for this product.

Mobility in Soil (Soil/Water Partition Coefficient): No data available for this product.

Other Adverse Effects: No Known Significant Effects or Critical Hazards.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Material is generally considered non-hazardous to the environment as a naturally occurring mineral.

Acute Fish Toxicity

Not considered toxic to fish.

Persistence and Degradability

These products are not readily biodegradable.

Bioaccumulative Potential

These products are not bioaccumulating.

Mobility in Soil

Not relevant, due to the form of the products.

Other Adverse Effects

None.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Dispose of waste and residues in accordance with Federal, State and local authority requirements. These products are not considered a hazardous waste under RCRA (40 CFR Part 261).

14. TRANSPORT INFORMATION

	DOT Classification	IMDG	IATA
UN Number	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping Name	--	--	--
DOT Shipping Name	Diatomaceous Earth	Diatomaceous Earth	Diatomaceous Earth
Transport Hazard Class(s)	--	--	--

Packing Group	--	--	--
Environmental Hazards	No	No	No
Additional Information	--	--	--

AERG : Not applicable

Special Precautions for User: Not regarded as a danger under local handling conditions

15. REGULATORY INFORMATION

US Federal Regulations

TSCA 8(a) CDR Exempt/Partial exemption

Not determined

United States Inventory (TSCA 8b)

Not listed.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAP's)

Not listed

Clean Air Act Section 602 Class I Substances

Not listed

Clean Air Act Section 602 Class II Substances

Not listed

DEA List I Chemicals (Precursor Chemicals)

Not Listed

DEA List II Chemicals (Essential Chemicals)

Not Listed

SARA 302/304 - Composition/Information on Ingredients

No products were found

SARA 313/304 RQ

Not Applicable

SARA 311/312 - Classification

Not Applicable

16. OTHER INFORMATION

Procedures Used to Drive Classification

Classification	Justification
Not Classified	Materials Characterization Testing, Toxicology Library and Available Databases

NFPA Rating

Health hazard: 1
Fire Hazard: 0
Reactivity Hazard: 0



Further Information

License granted to make unlimited paper copies for internal use only. The above information is believed to be correct as of the date of preparation and does not purport to be all inclusive or account for naturally occurring variation in the composition of raw ores. It therefore, represents no guarantee of the properties associated with these products.

The information in this document should be used only as a guide in applying the appropriate safety precautions and professional consultation is advised. Should naturally occurring variation cause significant change in product composition, this information will undergo revision as appropriate. Discard after use in an environmentally friendly way. Dicalite Management Group and its Affiliates shall not be held liable for any damage resulting from the end user's handling or contact with these products.