



RESPONSE TO SUPPLIER QUESTIONNAIRE FORMS

**ALL INFORMATION IS CONSIDERED CONFIDENTIAL TO BE USED ONLY FOR THE
INTENDED RECIPIENT**

Dicalite Minerals Corp. does not have the resources to answer each of the large number of general information requests on unique customer generated forms regarding our mining, processing, and manufacturing facility in Burney, CA., USA.

Dicalite has developed this form to answer the questions which are repeatedly asked regarding our processes. We will NOT submit any information on customer generated forms which can be answered from the information provided herein. Specific requests for additional information not covered herein need to be made to:

Mr. Doug Witherspoon, Plant Manager, Dicalite Minerals Corp., dwitherspoon@dicalite.com

Mr. Matthew Greenley, Technical Director, Dicalite/Dicaperl Minerals, mgreenley@dicalite.com

Company Website: <http://www.dicalite-dicaperl.com>

General Facility Information:

Dicalite Minerals Corp.
36994 Summit Lake Road
Burney, Ca. (USA) 96013
Phone: 530-335-5451
Fax: 530-335-5348

Facility Business Sector:

Mining and Minerals
SIC CODE: 3295
Minerals and Earths, Ground or Otherwise treated.

General Manufacturing Information

Dicalite Minerals Corp. is a MINING and MINERALS production facility.

We produce **ONLY** industrial minerals-Diatomaceous Earth (DE). The mine is located at the facility. We provide (mine) our own raw materials. DE as manufactured is completely inorganic and is approximately 90 - 95% SiO₂.

The facility was constructed and has been in continuous operation since the mid 1980's.

Most chemical regulations, FDA regulations and other regulations do not apply to mining operations, or to industrial minerals. DE is a naturally occurring geological mineral.

Process Information

Our process diagrams are proprietary. We will not provide them to customers. Customers are welcome to arrange visits to our facility should they require more specific information.

The raw ore (DE) is dried and then heated to temperatures of between 1000°F and 1700°F for 30-40 minutes for processing. The material is then packaged to customer specifications at the facility and shipped.

Storage areas at the Burney facility are very limited, so shipping is usually "just-in-time".

Products Produced:

Calcined Diatomaceous Earth	CAS NO. 91053-39-3
Flux Calcined Diatomaceous Earth	CAS NO. 68855-54-9

Calcined DE Products

Dicalite Speedflow
Dicalite 231

Flux Calcined DE Products

Dicalite 341	Dicalite Speedplus	Dicalite WB6A
Dicalite 375	Dicalite Speedex	
Dicalite 2500	Dicalite 4200	
Dicalite 4500	Dicalite 5000	
Dicalite 6000	Dicalite 7000	
Dicalite Swim-Pool	Dicalite WB-6	

NAFTA Information:

ALL Products are manufactured within the United States of America at the facility address listed above. Tariff Code for DE from the Burney facility is 2512.00 (Calcined) and 3802.90 (Flux-calcined).

International Certifications:

ISO 9000 Series	NO
ISO 14000 Series	NO
Other ISO Certifications	NO
FDA Certification	NO
HACCP	NO
cGMP	NO
FDA CFSA (Bioterrorism)	YES

There are no plans by management to achieve any ISO certifications in the near future. Dicalite Minerals is a mining and manufacturing facility producing industrial mineral products.

Safety Certifications/Regulations

Inspection Frequency

United State Mine Safety and Health Administration (MSHA)
At least twice yearly.

Environmental Permits/Regulatory:

Air Permit (Emissions)

CARB (California Air Resources Board)

Wastewater Discharge Permit

US EPA NPDES National Pollution Discharge Elimination System.

USA Product Regulatory Classifications

TSCA (Toxic Substances Control Act)

Not Listed

RCRA (Resource Conservation and Recovery Act)

Non-Hazardous

Other Applicable Regulatory Classifications

Canadian DSL (Domestic Substances List)

Listed

EINECS (European Inventory of Existing Commercial Chemical Substances)

EC#272-489-0

REACH Registration

Calcined Diatomaceous Earth
Flux Calcined Diatomaceous Earth

CAS NO. 91053-39-3
CAS NO. 68855-54-9

Flux-calcined DE is registered under number 01-2119488518-22-0006 and the Calcined and natural DE is exempted according to Annex V, Article 2 §7(b).

Customs Tariff Numbers:

Calcined Diatomaceous Earth
Flux Calcined Diatomaceous Earth

CAS NO. 91053-39-3
2512.0000.00
CAS NO. 68855-54-9
3802.9000.90

General Corporate Information

Ownership

Private- Dicalite
Management Group Inc.

Corporate Address

1 Bala Avenue
Suite 310
Bala Cynwyd
PA. 19004

Financial Information:

Dicalite Minerals Corp. is privately owned and has been in operation since 1943. Our parent company will not release any financial information to customers or other parties.

Dicalite Personnel Information

Approximate Number of Employees at Dicalite Minerals Corp.
Burney, CA. USA

80

Operations

Operations are continuous in a closed system. Outside air is used for cooling. Because of extreme product temperatures human contact is not permitted and not possible. Primary production control parameters are temperature, time at temperature, (retention time), combustion monitoring, feed rates, and visual monitoring.

Product Contents

Due to the fact that DE is a geological (mined) mineral, there are variations in chemical composition, but in general, all of Dicalite's DE products can be characterized in terms of oxide composition as shown below:

Typical Chemical Composition Product Contents

SiO ₂	90-95%
Al ₂ O ₃	1-2%
Na ₂ O	2-4%
Fe ₂ O ₃	1.0%
SO ₃	<0.1%
Other Inorganic Oxides MgO, CaO, P ₂ O ₅ , ZnO	2-3%
LOI (Loss on Ignition)	<0.5%

Metals Analysis:

Dicalite measures extractable metals to ensure compliance with applicable guidelines. Metals from the Burney DE deposit are very low in comparison with other DE manufacturers.

Typical Metals (TTLIC-total) for Dicalite Speedplus (a flux-calcined DE) are shown below:

Aluminum:	173ppm	Molybdenum:	8.9ppm
Antimony:	ND	Nickel:	ND
Arsenic:	ND	Potassium:	ND
Barium:	1.9ppm	Silver:	ND
Boron:	ND	Sodium:	1180ppm
Cadmium:	ND	Titanium:	15.7ppm
Calcium:	232ppm	Vanadium:	30.2ppm
Chromium:	7.9ppm	Zinc:	7.2ppm
Cobalt:	ND		
Copper:	1.4ppm		
Iron:	86.8ppm		
Lead:	ND		
Magnesium:	ND		
Manganese:	ND		
Mercury:	ND		

An example of typical metals analyzed by an independent laboratory in Mar 2016 is shown above.

Potential Contaminants/Allergens/

Diatomaceous Earth (DE) Calcined and Flux-Calcined produced at Burney CA., does not contain any allergens/BSE's or any microbiological organisms as produced.

DE is an inorganic mineral (like a rock) which has been processed at temperatures above 1000°F for at approximately 30 minutes.

We do not add any organic ingredients of any kind to our products during processing.

<u>Contaminants/Allergens</u>	
Cow milk proteins	NO
Lactose	NO
Chicken egg proteins	NO
Soja-oils	NO
Gluten	NO
Wheat	NO
Rye	NO
Sacharose	NO
Beef and beef-derivatives	NO
Pork and pork-derivatives	NO
Chicken meat and chicken-derivatives	NO
Fish	NO
Shellfish	NO
Fructose	NO
Corn and corn-derivatives	NO
Cocoa	NO
Yeast	NO
Pulse	NO
Nuts and nut-derivatives	NO
Peanuts and peanut-derivatives	NO
Glutamate	NO
Sulfites (as additives)	NOT ADDED
Benzoic	NO
Acids	NO
Parabens	NO
Azo-colors	NO
Tartrazine	NO
Sunset yellow	NO
Carmoisine	NO
Amaranth	NO
Ponceau 4R	NO
Cinnamon	NO
Vanillin	NO

Contaminants/Allergens –pg2	
Coriander	NO
Umbelliferae	NO
Animal Products and by-products	NO
Artificial Colors/Sweeteners/Flavors/Ingredients	NO
BSE's	NO
Chemical Solvents	NO
GMO's	NO
Industrial Sewage used in process	NO
Soy	NO
Seeds	NO
Radiation Treatment	NO

Product Certifications/Compliance

Kosher Certification	YES-Yearly
Halal Certification	YES-Self Certification
Organic Certification	NO
FCC (Food Chemicals Codex 9 th Edition)	YES

Shelf Life of Dicalite DE Products.

DE is a wholly inorganic mineral, and therefore has no limitation on shelf life. If the material is kept dry, and free from odors, DE can be used years after its initial purchase.

Quality Control System:

The Burney facility has a quality control system using our own methods (conformant to industry). Because DE manufacturing is very small, and only a few vendors produce DE, ASTM or other standardized procedures are generally not applicable and therefore cannot be used.

Responsibility for QA/QC at the plant rests ultimately with the plant manager. Burney has a dedicated QA/QC technician for final QC testing.

The following parameters are tested, both in process, and as final QA/QC prior to release.

Generally, we do not release our test methods to our customers, however, with prior approval we can work with customers to develop equivalent methods which are commercially available for customer acceptance criteria.

Test	Units	Frequency
PFRv (permeability flow rate volume)	Darcys/PFRv units	2x hourly
PCD (permeability cake density)	lbs/ft ³ or kg/m ³	2x hourly
Screens: 40M, 140M, 325M	% Retained	3x /lot
Color	Brightness	2x hourly

Other Tests by prior arrangement and by customer request:

BSI (Beer Soluble Iron) ASBC	ppm	Upon Request
Conductivity	μS/cm	Upon Request
Water Solubles	%	Upon Request
Acid Solubles	%	Upon Request
Moisture (MOI)	%	Upon Request
Loss on Ignition (LOI)	%	Upon Request

Complaint Handling

Dicalite has an internal process for handling complaints. This is the CARS (Complaints Authorization Response System).

Lot Numbering:

All Dicalite products use the following lot numbering system. This lot numbering system is printed upon the bag using an ink jet printer, and upon request, attached to the outside of the pallet if applicable.

Facility/Date/ Hour of Production.

For example: BU-070707-12 BU=Facility (Burney)
 070707=Date of Production.
 12= Hour of production.