



Material Safety Data Sheet

1 Identification of substance:

Product details:

- **Trade name:** Nano diamond powder

Manufacturer/Supplier:

Bewise Inc.

No. 13, Shiang Shang 2nd St., West Chiu, 40356 Taichung Taiwan

Tel: +886 4 2471 0048 Fax: +886 4 2471 4839

2 Composition/Data on components:

Chemical characterization:

diamond >98%

3 Hazards identification

Hazard description: Not applicable

Information pertaining to particular dangers for man and environment

Not applicable

4 First aid measures

General information No special measures required.

After inhalation Seek medical treatment in case of complaints.

After skin contact Generally the product does not irritate the skin.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing Seek medical treatment.

5 Fire fighting measures

Suitable extinguishing agents

Product is not flammable. Use fire fighting measures that suit the surrounding fire.

Protective equipment: No special measures required.

6 Accidental release measures

Person-related safety precautions: Not required.

Measures for environmental protection:

Do not allow material to be released to the environment without proper governmental permits.

Measures for cleaning/collecting: Pick up mechanically.

**Additional information:**

See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage**Handling****Information for safe handling:**

Keep container tightly sealed.
Store in cool, dry place in tightly closed containers.
No special precautions are necessary if used correctly.

Information about protection against explosions and fires:

No special measures required.

Storage**Requirements to be met by storerooms and receptacles:**

No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

8 Exposure controls and personal protection**Additional information about design of technical systems:**

No further data; see item 7.

Components with limit values that require monitoring at the workplace:

Not required.

Additional information: No data

Personal protective equipment**General protective and hygienic measures**

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment: Not required.

Protection of hands: Not required.

Eye protection: Safety glasses

Body protection: Protective work clothing.

9 Physical and chemical properties:

Form: Powder

Color: Grey and Light Yellow

Odor: Odorless

Value/Range Unit Method

Change in condition



Melting point/Melting range: 3727 °C
Boiling point/Boiling range: Not determined
Sublimation temperature / start: Not determined
Flash point: Not applicable
Flammability (solid, gaseous) Product is not flammable.
Ignition temperature: Not determined
Decomposition temperature: Not determined
Danger of explosion:
Product does not present an explosion hazard.
Explosion limits:
Lower: Not determined
Upper: Not determined
Vapor pressure: Not determined
Density: 3.05-3.30 g/cm³ (at 20 °C)
Solubility in / Miscibility with
Water: Insoluble

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:
Decomposition will not occur if used and stored according to specifications.
Materials to be avoided: None known.
Dangerous reactions No dangerous reactions known
Dangerous products of decomposition:
No dangerous decomposition products known

11 Toxicological information

Acute toxicity:
Primary irritant effect:
on the skin: Generally the product does not irritate the skin.
on the eye: Powder: irritant effect
Sensitization: No sensitizing effects known.
Subacute to chronic toxicity:
It is irritating to the eyes and may cause conjunctivitis, cornea damage, and inflammation of the eyelids.
Additional toxicological information:
To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.



12 Ecological information:

General notes:

Do not allow material to be released to the environment without proper governmental permits.

13 Disposal considerations

Product:

Recommendation

Consult state, local or national regulations for proper disposal.

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

14 Transport information

Not a hazardous material for transportation.

Hazard class: None

15 Regulations

Product related hazard informations:

Observe the general safety regulations when handling chemicals.

National regulations

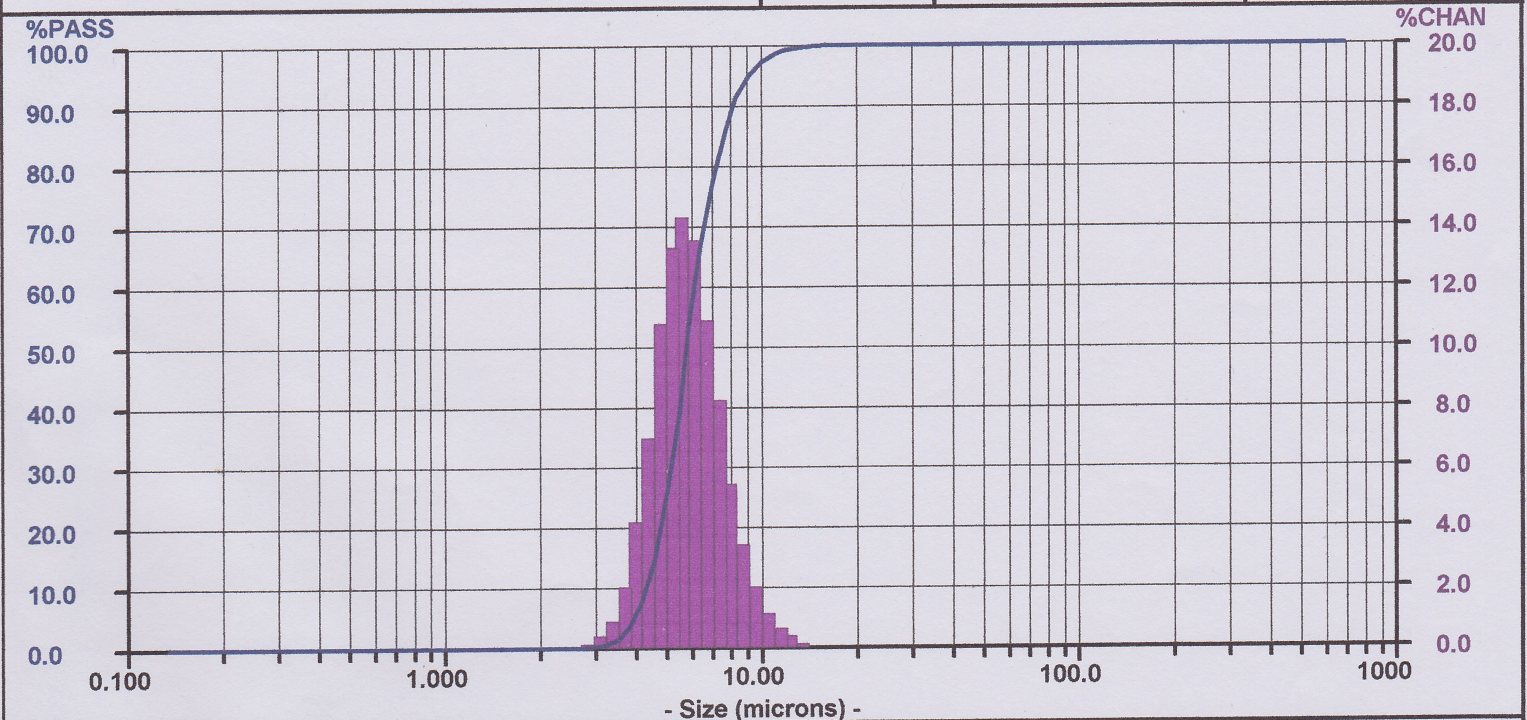
All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory.

Information about limitation of use:

For use only by technically qualified individuals.

16 Other information:

Please use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.



SIZE	%PASS	%CHAN	SIZE	%PASS	%CHAN	SIZE	%PASS	%CHAN	SIZE	%PASS	%CHAN
704.0	100.00	0.00	80.70	100.00	0.00	9.260	95.24	3.51	1.060	0.00	0.00
645.6	100.00	0.00	74.00	100.00	0.00	8.482	91.73	5.62	0.972	0.00	0.00
592.0	100.00	0.00	67.86	100.00	0.00	7.778	86.21	8.27	0.892	0.00	0.00
542.9	100.00	0.00	62.23	100.00	0.00	7.133	77.94	10.96	0.818	0.00	0.00
497.8	100.00	0.00	57.06	100.00	0.00	6.541	66.98	13.66	0.750	0.00	0.00
466.6	100.00	0.00	52.33	100.00	0.00	5.998	53.32	14.43	0.688	0.00	0.00
418.6	100.00	0.00	47.98	100.00	0.00	5.500	38.89	13.30	0.630	0.00	0.00
383.9	100.00	0.00	44.00	100.00	0.00	5.044	25.59	10.81	0.578	0.00	0.00
352.0	100.00	0.00	40.36	100.00	0.00	4.625	14.78	6.99	0.530	0.00	0.00
322.8	100.00	0.00	37.00	100.00	0.00	4.241	7.79	4.18	0.486	0.00	0.00
296.0	100.00	0.00	33.93	100.00	0.00	3.889	3.61	2.07	0.446	0.00	0.00
271.4	100.00	0.00	31.11	100.00	0.00	3.566	1.54	0.93	0.409	0.00	0.00
248.9	100.00	0.00	28.53	100.00	0.00	3.270	0.61	0.44	0.375	0.00	0.00
228.2	100.00	0.00	26.16	100.00	0.00	2.999	0.17	0.17	0.344	0.00	0.00
209.3	100.00	0.00	23.99	100.00	0.00	2.750	0.00	0.00	0.315	0.00	0.00
191.9	100.00	0.00	22.00	100.00	0.00	2.522	0.00	0.00	0.289	0.00	0.00
176.0	100.00	0.00	20.17	100.00	0.00	2.312	0.00	0.00	0.265	0.00	0.00
161.4	100.00	0.00	18.50	100.00	0.00	2.121	0.00	0.00	0.243	0.00	0.00
148.0	100.00	0.00	16.96	100.00	0.00	1.945	0.00	0.00	0.223	0.00	0.00
135.7	100.00	0.00	15.56	100.00	0.10	1.783	0.00	0.00	0.204	0.00	0.00
124.5	100.00	0.00	14.27	99.90	0.21	1.635	0.00	0.00	0.187	0.00	0.00
114.1	100.00	0.00	13.08	99.69	0.38	1.499	0.00	0.00	0.172	0.00	0.00
104.7	100.00	0.00	12.00	99.31	0.70	1.375	0.00	0.00	0.158	0.00	0.00
95.96	100.00	0.00	11.00	98.61	1.23	1.261	0.00	0.00	0.145	0.00	0.00
88.00	100.00	0.00	10.09	97.38	2.14	1.166	0.00	0.00	0.133	0.00	0.00