



# Qingdao Meizhen Graphite Co.,Ltd

Northeastern Side Zhangjiatuan Village Liyuan Street Office Pingdu City Qingdao

## Material Safety Data Sheet (MSDS)

### Section 1 – Identification of the Substance / Preparation, and of the Company

#### 1.1: Product Identification

Trade Name: Expandable Graphite

Registration Number: /

Substance Name: Graphite, CAS 12777-87-6 EC Number: 235-819-4

#### 1.2: Identified uses of the substance or mixtures

Uses: Graphite Paper, Retardant Materials.

Uses Advised Against: For industrial use only. Not recommended as food or cosmetic additive.

#### 1.3: Supplier Information

Company/Manufacturer:

QINGDAO Meizhen Graphite Co.,Ltd

Northeastern side zhangjiatuan village Liyuan street office pingdu city qingdao

Email Address: meizhensm@163.com

#### 1.4: Emergency Telephone Number :86-0532-87328778

### Section 2. COMPOSITION / DATA ON CONSTITUENTS

Expandable graphite is made of flake graphite by application of an acid treatment. It mainly consists of

crystallised carbon, of small admixtures of natural rock constituents, and of remainders of acid treatment.

### Section3. POSSIBLE DANGERS

Health slight danger in case of long-term contact and high dust concentrations

Inflammability distinguishes when source of heat is removed

Chemical reactions not applicable

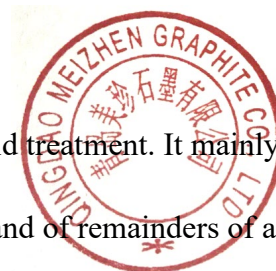
### Section4. FIRST AID MEASURES

Respiration remove from accident site

Eyes wash with cold water

Skin wash with water and soap

Stomach pumping not necessary





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## Section5. FIREFIGHTING MEASURES

Suitable extinguisher, foam extinguisher no restrictions

Extinguishers which are unsuitable for safety reasons none

## Section6. MEASURES TO TAKE IN CASE OF UNINTENTIONAL RELEASE

Persons-related protective measures see 4. FIRST AID MEASURES

Graphite acts as a lubricant, therefore carefully sweep and vacuum the floor, in order to avoid the danger

of accidents through slipping on the floor.

Environmental protection measures not necessary

Cleaning procedure normally sweeping and vacuuming

Use commercially available cleaning agents for wiping and washing

## Section7. HANDLING AND STORAGE

Handling avoid a build-up of dust as far as possible

Storage warehouse and container requirements,  
store as dry as possible

Protective measures to take against electrical equipment:

Graphite conducts electricity, therefore, keep as far away as possible from electrical equipment and conductors.

## Section8. EXPOSURE LIMITATION AND PERSONAL PROTECTIE EQUIPMENT

Avoid build-up of dust vacuum as often as reasonable

Personal protective equipment

Respiratory equipment use commercially available dust masks

Protection of hands issue commercially available cotton or other protective gloves

Protection of eyes in case of sensitivity distribute safety goggles

Bodily protection protect the body from contamination by one-piece dust-proof overalls.

## Section9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance

Form flakes and powders

Colour silvery – grey to black

Odour normally none

Change in state

Boiling point / boiling range the melting and vapourisation temperature in the absence of oxygen is 3600 °C

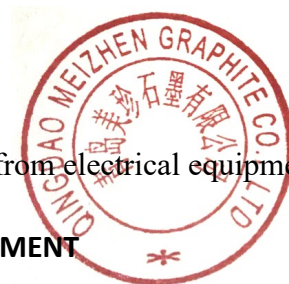
Flash point forms no flames, glows only

Combustibility not applicable

Ignition temperature about 600 ° C

Self-combustibility not applicable

Danger of explosion none





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Lower explosion threshold not applicable  
Upper explosion threshold not applicable  
Fire-causing characteristics none, it only glows  
Steam pressure not applicable  
Relative density about 2.1 – 2.3 g/cm<sup>3</sup>  
Bulk density about 0.2 to 1.0 g/cm<sup>3</sup>  
Solubility in water not applicable  
pH value 3 – 12, according to customers' requirements  
Distribution coefficient n-octanol/water none  
Other data none

## Section10. STABILITY AND REACTIVITY

Conditions to be avoided fire and heat of above 150 ° C (activation temperature)  
Substances to be avoided strongly oxidising substances such as fluorine, peroxide etc.  
Dangerous decomposition products carbon dioxide, carbon monoxide, some sulphur dioxide, and under certain circumstances, rests of the acid treatment

## Section11. TOXICOLOGY DATA

Expandable graphite is harmless in toxicological terms

## Section12. ECOLOGY DATA

Expandable graphite is an inert carbon product and does not harm the environment

## Section13. DIRECTIONS REGARDING DISPOSAL

The local regulations are to be heeded. Since expandable graphite is a carbon product and it does not

harm the environment there is normally no objection to it being disposed of in a tip.

## Section14. DATA ON TRANSPORT

Land transport ADR/ RID and GGVS / GGVE no specific regulations

Transport by river ADN / ADR no specific regulations

## Section15. STIPULATIONS

R - sets none

S - sets none

## Section 16 – Other Information

### Abbreviations Used:

ACGIH TWA                      American Council of Government and Industrial Hygienists Time Weighted Average value.

CAS                                Chemical Abstracts Service

NA                                 Not applicable

N. O.S.                            Not otherwise specified

This Material Safety Data Sheet is issued according to our best and newest knowledge but the given information should not be considered as a specification or other binding data.

