

ZIBO TAA METAL TECHNOLOGY CO.,LTD

Material Safety Data Sheet

1) Production and Company Identification

Company : ZIBO TAA METAL TECHNOLOGY CO.,LTD

No.288 CENTER AVENUE, MENGSHUI, ZHOUCUN

ZIBO CITY SHANDONG P.R. CHINA

TEL : +86-533-6881107

FAX : +86-533-6881107

Product Name : GARNET

Making Date : Jan.01, 2017

2) Component

Type: Almandite Garnet with chemical composition of $Fe_3 Al_2 Mg (SiO_4)$ and other trace minerals as per CAS No. for Almandite garnet 1302-62-1.

| | |
|---------------------|-------|
| Garnet | >90% |
| Ilmenite | <2% |
| Quartz(Free silica) | <1% |
| Light mineral | <1% |
| Other | 0.50% |

3) Material & Chemical Property

Odour : N/A

Bulk Density : 2000kg /m³

Specific Gravity : 3.7-4.2 g/cm³

Melting Point : 1250°C

Hardness : Mohs 7.5-8.0

SiO₂ : 34-40%

Fe₂O₃+FeO : 28-42%

Al₂O₃ : 18-22%

Ca O : 1.5-4%

Mg O : 4-6%

Mn O : 0.5-2.0%

4) Hazardous Harmful Property

Harmful Property : N/A

Environmental Impact : N/A

However, dust is generated during use or after use is diffused in the atmosphere, and there is a possibility of causing air pollution.

Physical and Chemical

Hazardous Property : N/A

Stability : It is stable under the normal temperature and the ordinary pressure.

Dangerous State : it is possibility to do a dust explosion when it comes in contact with air with powder and granule.

Dangerous Resolution Material : Non-Information

Condition to Avoid : Mixture with the hazardous substance.

5) First aid Measures

Inhalation : To move a victim to the place with fresh air and taking a rest

with the posture that is easy to breathe. and consulting a doctor promptly.

Skin Contact : It wash with water and soap. It consult a doctor when skin stimulates.

Eye Contact : To wash it with water carefully and consulting a doctor promptly

Swallowed : Spit it out and contacting a doctor promptly.

Symptom : (Inhalation)Metal Taste, Cough
(Eyes)Flare

6) Fire Fighting Measures

Digestive : It uses the extinguishant which fitted a fire.

The digestive must not use : Stick flooding

Danger of the harmfulness : Non-Information

The protection of a person : Wear an appropriate mask and protection clothes for chemistry.
extinguishing a fire

7) The leakage

Instructions for the human : There is no harmful property to human. However, if it leaks out on the floor in large quantity, the floor becomes slippery.

Instructions for the environment : Prevent water pollution in case of flowing out to public water area.

Collection : Quickly clean with a vacuum cleaner or a magnetic brush.

8) Handling and Storage

Attention of handling : Prevent sparks and static electricity from approaching the fine particle and generated.

Operator must wear personal protective equipment.

Maintenance should be done periodically so that it doesnot jump out from equipment or machine itself.

Exhaust or ventilation to be effected to the dust generated.

Storage : Keep it in the place where cool, dry and the ventilation is good.

In case of transferring and storing, use a waterproof and moisture-proof

9) Prevention of Exposure and Protection Measures

Measures of Facilities : Install a ventilating device in case of fine dust occurs. To install the ventilating device of the type to prevent an explosion and a local exhaust in the workshop.

Personal Protection : Wear protection clothes and boots for safety

Leather globe

Mask for fine particle

Wear a tool for protection of appropriate eyes. To wear comprehensive chemistry splashing goggles or a face shield when contact can happen to eyes or a face by brushing up or a mist.

10) Stability and Reactivity

Stability : Stable under normal condition

Reactivity : Oxidation reaction against moisture

Unfavorable Condition : High temperature, humidity

Unfavorable Material : N/A

Known Decomposition Product : N/A

11) Noxious Information

Acute Toxicity : Non-Data

Causticity of the skin

& Pungency : Division 2

The serious damage for eyes : Division 1
Respiratory Sensitization : Non-Data
Skin sensitization : Non-Data
The variation of
the generative cell : Not Classify
Carcinogenicity : Out of Division
The internal organs of : (Revelation of Single) : Division 3
the specific target Toxicity (Revelation of Repetition) : Division 1
Hazardous Property of Breathing : Non-Data

12) Influence on Environment

Hazardous property : Not Classify
to the aquatic environment
Hazardous property to the : Not Classify
environment (chronic)

13) Disposal

Leftover Waste : The waste disposed according to the law concerned. The processing manufacturer is waste industry who took the permission of the governor or local public entity.
Container : The container will cleaned and recycled or the container is got rid of according to the law concerned and the standard of the local government. When it dispose an empty container, completely remove contents.

14) Transportation

On the occasion of the transportation, It avoids direct rays of the sun and there is not the damage, corrosion, and the leak of the container to pile up. It performs prevention of the collapse of cargo surely.

15) Laws and Ordinances

The Occupational Safety : Industrial Safety and Health Law
and Health Act

16) Others

There is particularly no it.

The information contained herein is based on several references and the present state of our knowledge. However the MSDS does not always cover all information about the product, handle the product carefully. The information is intended to ordinary usage, in case of particular handlings, conduct appropriate safety measurements. The information herein is only provision of information, and it does not represent a guarantee the properties of the product.

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2017.01.01