

铜陵佰诺新材料有限公司
TongLing BaiNuo New Materials Co.,Ltd.

MATERIAL SAFETY DATA SHEET

according to 91/155/EEC

1.) IDENTIFICATION OF PREPARATION AND COMPANY

Product: FERRO SULPHUR----FeS2
COMPANY: TONGLING BAI NUO NEW MATERIALS CO.,LTD.
ADDRESS: No. 402, BUILDING 9, No. 2899, NORTH SECTION OF TONGDU AVENUE, XIHU TOWN,
TONGGUAN DISTRICT, TONGLING CITY, ANHUI PROVINCE
TECHNICAL PHONE: 13905626038
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2.) COMPOSITION / INFORMATION ON INGREDIENTS

CAS - No.: 12068-85-8			
Chemical name: Ferro Sulfide (FeS2)	Content (%)	Classification	
	90~ 96		
CAS - No.: 7631-86-9			
Chemical name: Silicon dioxide(SiO2)	Content (%)	Classification	
	0.02~ 3MAX		
CAS - No.: 7732-18-5			
Chemical name: Moisture (H2O)	Content (%)	Classification	
	0.01~ 2MAX		
	Total content:100%		

3.) HAZARDS IDENTIFICATION

Human: R-11 /easy inflammable
Environment: - no danger known.

4.) FIRST-AID MEASURES

General: - No restrictions or special regulations

Inhalation: -When inhaling SO2 fresh air should be provided,seek medical advice.During grinding use a dustproof mask and safety glasses.Inhaling of dust should be avoided.Possible irritation of respiratory tract,risk of suffocation.

Ingestion: - Rinse mouth with water
-Consult a physician

Skin contact: - Remove contaminated clothes
-Wash affected parts of skin with soap and water

Eye contact: - Rinse with plenty of water

Hints for the Doctor: - none

5.) FIRE-FIGHTING MEASURES

Suitable extinguishing media: - water,extinguishing foam,extinguishing powder,CO₂

Extinguishing media not to be used for safety reasons: - no limitations

Exposure hazards arising: In case of fire,smoke or steam may contain Antimony trioxide or S O₂(do not inhale)
Keep away from strong oxidizing agents

Special protective equipment: -In case of fire use mask filters for acid gases

6.) ACCIDENTIAL RELEASE MEASURES

Personal precautions: - Avoid formation of dust(use breathing masks or provide sufficient exhaust)

Environmental precautions: - Do not bring substance in to sewage,water or soil

Clean up procedures: - After spillage/leakage/gas leakage:vacuum clean or sweep up and collect in suitable containers

7.) HANDLING AND STORAGE

Handling: - Provide sufficient exhaust
-Provide breathing apparatus(dust masks)

Storage: - Does not change on normal storage over years
-Store in dry area,not in combination with acids

8.) EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: - Exhaust facility

Maximum concentration at workplaces: - General dust limit(MAK-value):6mg/m³ (Austria,Germany)
-Pyrite Powder is subject to the MAK-list,but without explicit definition of limiting values

Personal protection equipment: -Dust mask
- safety mask, protective gloves and goggles

Additional advice: -When using do not eat ,drink or smoke

9.) PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Powder color: dark gray to black Odour: sulfuurous

Safety relevant data:

Melting point / - range:	1193°C (Decomposition)	Vapour pressure (20°C):	n.a.
Flash point:	n.a.	Relative Density (20°C):	4.7g/cm ³
flammability:	yes	Solubility in water:	unsoluble
Autoflammability:	no	Solubility in fat:	n.d
Fire promoting properties:	no	pH-value:	4.0-6.0
		Partition coefficient	n.d.

Explosive hazards:

- Product: no.
- Dust/air mixtures: no
- lower explosion limit: n.a.
- upper explosion limit: n.a.

n.a.: not applicable
n.d.: not determined

Other data: none

10.) STABILITY AND REACTIVITY

Conditions to avoid: - Formation of dust
- heating

Materials to avoid: - Strong oxidizing agents(formation of so₂)
--Strong acids(formation of H₂ S)

Hazardous- H₂ S ,SO₂
decomposition products: - Fe₂O₃,S

Further info: - none

11.) TOXICOLOGICAL INFORMATION

Acute toxicity: none
:

Eye / skin irritation: - No eye or skin irritation known

Chronic toxicity: - none

Carcinogenicity, mutagenity, reproductive toxicity: - no indications

