

# 重庆润际远东新材料科技股份有限公司

## CHONGQING RUNJI FAR EAST ALLOY CO.,LTD.

ADD: Section A, Zone E, Gang Cheng Industry Park, Tangjiatuo, Jiangbei Dist., Chongqing China

TEL: 86-23-67091610

FAX: 86-23-67091607

WEBSITE: [www.cqrunjico.com](http://www.cqrunjico.com)

E-MAIL: [runjico@online.cq.cn](mailto:runjico@online.cq.cn)

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### MSDS (Material Safety Data Sheet)

#### 1. Information of the producer

Name: Chongqing Runji Far East Alloy Co., Ltd.

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### MN 93 ADDITIVE(EXTRA HARD MN BRIQUETTE)

#### 2. Composition/ Information on Ingredients

Ingredient	CAS No.	Content (%)
Manganese	7439-96-5	93%-95%
Fe	7439-89-6	4.5%-5.5%

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#### 3. Hazards Identification

- 1) In general, the manganese briquette does no harm.
- 2) The dusts and vapor which are produced when used or heated may cause irritation to respiratory system, eyes and skin..
- 3) Use extinguisher in high temperature or fire appears.

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#### 4. First Aid Measures

- 1) Inhalation

Normally there is no irritation when it is drawn in. To avoid danger the victim should be kept off the spot.

If the victim is conscious, he should be kept to sit or lie down.

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If the accelerates his breath, he should be given infusion. If he gets worse, he should be sent to the doctor.

If the victim is unconscious, his pulse and breath should be examined. If his breath is weak, he should

receive artificial respiration.

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### 2) Skin contact

It should be kept off skin. Wash skin with water and/or a mild detergent..

### 3) Eye contact

Flush eyes with plenty fresh water and get medical care form the doctor.

### 4) Ingestion

There is no danger if some is ingested which is in the range of health standard..

If someone gets hurt, do not induce vomiting. Drink 500ml water as soon as possible and get medical attention.

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## 5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard. But better keep it away from fire.

Exposure:

Not considered to be a exposure hazard.

Hazardous Polymerization:

No special notice.

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## 6. Accidental Release Measures

To people: avoid inhalation of the dusts and skin contact. Wear gloves and breathing apparatus when dusts float in the air.

To the environment: no harm.

The way of cleaning: use a dust catcher.

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## 7. Handling and Storage

Better use those equipment that can avoid inhalation, clothes, skin and eye contact.

Store in a dry condition.

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## 8. Exposure Controls/Personal Protection

1) Exposure Controls:

OEL;TWA;STEL;MEL;OES

Consumers can consult relevant documents.

2) Protective Equipment

Breath protection: mask

Hand protection: hermetic gloves

Eye protection: protective spectacles

Skin protection: protective clothing

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### 9. Physical and Chemical Properties

Physical State:	Briquette
Color:	Silvery grey, metallic surface
Odor:	Odorless
Solubility (Water):	Insoluble
Melting Point (°C):	Mn 1246°C; Fe 1535°C;

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### 10. Stability and Reactivity

#### 1) Conditions to Avoid

Avoid generating sparks and other ignition sources (e.g. welding) in areas with high dust concentrations.

#### 2) Materials to Avoid,

Avoid contact with water and acids such as Hydrochloric (HCL) and Nitric (HNO<sub>3</sub>)

#### 3) Hazerdous Reaction / Decomposition Products

Small amount of hydrogen may evolve if moisture is present. Wet material may react with water to liberate heat and generate steam.

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### 11. Toxicological Information (effects and farm to people)

To those who work in dense dusts for long periods of time, irritation to respiratory system may occur.

Irritation to skin may occur to the same group of people.

Irritation to eyes may occur when it enters eyes.

When single manganese floats in the air, no clear information found relating to its acute toxicity.

Chronic toxicity: irritation to skin and respiratory system may occur.

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### 12. Ecological Information

Can not be melted but precipitate in water.

Inappropriate management such as placement in soil or water for a long time will lead to environmental pollution.

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### 13. Disposal Consideration

Disposal of the waste may differ from federal or local regulations.

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### 14. Transport Information

Not regulated.

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### 15. Relevant Laws and Regulations

Health and Safety at Work etc. Act 1974

Chemical(Hazard Information and Packaging) Regulations 1993(CHIP)

Control of Substances Hazardous to Health Regulations 1998

Environmental Protection Act 1999(EPA)

Duty of Care Regulation(section 34 of EPA)

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### 16. Other Documents

CHIP Approved Supply List ISBN 0 11 8821563

CHIP Approved guide to classification ISBN 0 11 882155 5

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### 17. Other Information

The information is from certain agents and can help consumers to use it safely.

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