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Material Safety Data Sheet**第一项：化学品名称和制造商信息 (Chemical Product & Company Information) ①**

产品名称：铁氧体磁体

Product Name: Ceramic magnet

Supplier's Name: Master Magnetics, Inc.

Address: 747 S. Gilbert St., Castle Rock, CO 80104

Tel: 303-688-3966

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第二项：危害信息(Hazards Identification) ②

最主要的: N/A 对固体

Major: 1) N/A 对固体

N/A in a state of solid.

2) 小颗粒和粉尘易燃

Pellet and powder burn easily.

物理和化学危害: N/A

Physical and chemistry hazards: N/A

人体健康: 对于敏感性皮肤, 长时间接触会产生皮疹

Human body health: sensitive skin can develop a rash if come into contact with magnets for a long time.

第三项：化学组成信息 (Composition/Information on Ingredients) ③

Grade: Cer1, Cer5, Cer8

成分: Component:

项目 Item	元素 element	含量 content (%)	CAS NO
磁体 Magnet	三氧化二铁 Fe_2O_3	85-86	1309-37-1
	碳酸锶 SrCO_3	13-14	1633-05-2
	高岭土 $\text{Al}_2\text{O}_3\text{SiO}_2\cdot\text{H}_2\text{O}$	0.4-0.5	
	碳酸钙 CaCO_3	0.4-0.5	471-34-1

化学符号: Fe_2O_3

Chemical symbol: Fe_2O_3

第四项：急救措施 (First Aid Measures) ④

吸入: Inhalation:

1) N/A 对固体

N/A in a state of solid.

2) 若在加工或生产过程中, 吸入粉尘和颗粒, 用温水清洗鼻孔和喉咙, 必要时看医生

If inhale powder and pellet during the process or operation, we must clean our nostril and throat with lukewarm water see a doctor if necessary.

皮肤: Skin:

1) N/A 对固体

N/A in a state of solid.

2) 若接触到粉尘或颗粒, 用肥皂水清洗, 必要时看医生

If come into contact with powder or pellet, clean our hands with soapsuds see a doctor if necessary.

眼睛: 用清水清洗, 必要时看医生

Eyes: wash it with clear water, see a doctor if necessary.

吞咽: 立即吐出, 用清水漱口, 必要时看医生

Swallow: spit it at once and induce vomiting, see a doctor if necessary.

第五项：消防措施 (Fire Fighting Measures) ⑤

灭火方法: 干沙或干的化学粉末。

The method putting out a fire: dry sand or chemical powder.

防火措施: 固体状态不易燃但小颗粒和粉尘易燃, 一旦发生火情, 用干沙覆盖, 并把所有的易燃物移离现场

Fire-retardant measure: don't fire in a state of solid. But pellet and powder easily burn, in case the condition of a fire happens, cover it with dry sand and remove any substances that from the spot burn easily.

第六项：泄露应急处理 (Accidental Release Measures) ⑥

消除方法：固体状态

Method: in a state of solid.

1) 在密闭容器中存放

Store in the closed container.

颗粒和粉尘状态

In a state of pellet and powder.

1) 保持适当的通风

Keep ventilation rightly.

2) 存放在密闭的容器中

Store in the closed container.

个人：切勿将磁体靠近携带电子医疗器械的人士，如：心脏起搏器。

Person/individual: Be sure not to make magnets near the personage who comes electric medical apparatus and instruments.

环境：无

Environment: nothing.

第七项：操作和储存 (Handling and Storage) ⑦

操作：Operation:

★ 常时间用手操作要带手套

The person who operates magnets with your hands need to wear the glove.

★ 磁体会对其他磁体或对钢铁产生很强的吸引力，在组装过程中注意夹手或对身体造成伤害

The magnet can attract other magnets or iron and steel,

so we a pay attention not to pinch our hands during the assembly harm to health.

★ 请勿让磁体靠近软盘、电子表或磁卡，可能会导致数据丢失和改变

Be sure not to make magnets near the diskette, electron watch or magnetic card,

unless can result in date lose and change.

★ 切勿将磁体靠近携带电子医疗器械的人士，如：心脏起搏器。

Be sure not to make magnets near the personage who comes electric medical apparatus and instruments.

储存：Storage:

★远离腐蚀性气体的干燥环境中

stay out dry environments that save up corrosive gas.

★远离水源

Stay out the source of water.

★充磁的产品要贮存在密闭的容器中，容器外贴醒目标签“内存强磁体”。

Magnetism products should store in a closed container and should stick on a eye-catching label outer.

其他: Others:

★磁体粉末或切割过程中产生的小颗粒粉尘会引起火灾。

Magnet powder or pellet produced during the cut metal can give rise to fire.

第八项: 接触控制和个人防护措施 (Exposure Controls/Personal Protection) ⑧

工程措施: 因在加工过程中产生粉尘和小颗粒, 机器要在通风环境中使用。

Engineering measure: owing to produce powder and pellet during the process, machines can use in a ventilation environment.

指导方法: N/A

Guiding method: N/A.

生产过程的个人防护:

Personal protection during the production:

★呼吸: N/A

(在加工过程中带防尘呼吸器)

Breath: N/A(donning dustproof breathing apparatus during the process)

★皮肤: 带橡皮或塑料手套

Skin: wear rubber gloves or plastic gloves.

★眼睛: N/A (在加工过程中带防护眼镜)

Eye: N/A(wear protective glasses during the process)

第九项: 理化特性 (Physical and Chemical Properties) ⑨

物理状态: 固体

Physical: solid

颜色: 黑色

Color: black

熔点: 大于 1300℃

Melting point: More than 1300℃