巨昌金屬股份有限公司
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安全資料表

Safety Data Sheet

1. 物品與廠商資料(Product and Company Identification)

物品中(英)文名稱(Product Name)	硫磺快削鋼 Free cutting steel bar
物品編號(Product Code)	SAE 1215MS
化學分類(Chemical Classification)	NA
公司介紹(Manufacture)	主要生產各類原材料 Metal material wholesale
1.1 製造商/供應商名稱(Name)	巨昌金屬股份有限公司 Geu Chone Metal Co., Ltd
1.2 製造商/供應商地址(Address)	台灣新北市五股區四維路 27 巷 1 號 No.1,Lane 27,Siwei Road, Wugu District, New Taipei city, Taiwan
1.3 電 話(Phone Number)	886-2-29814477
1.4 傳 真(Fax Number)	886-2-29854654
1.5 緊急聯絡電話(Emergency Phone No.)	0935-254672
1.6 聯絡人(Contact Person)	趙經理 Manager :Michael Chao

2. 成分辨識資料(Composition, Information on Ingredients)

成 分 名 稱 (Component - Chemical Name & Common Names)	化學文摘社登記號碼 (CAS No.)	濃度或濃度範圍 (成分百分比) Percentage (%)
碳 (Carbon)	07440-44-0	0.050
磷 (Phosphorus)	07723-14-0	0.065
錳 (Manganese)	07439-96-5	1.250
硫 (Sulfur)	07704-34-9	0.375
矽 (Silicon)	07440-21-3	0.020
鎳 (Nickel)	07440-02-0	--
鉻 (Chromium)	07440-47-3	--
鉬 (Mo) Molybdenum	07439-98-7	Trace Element

NOTE: The above listing is a summary of elements used to alloy stainless steel. Various grades of steel will contain different combinations of these elements. Trace elements may also be present in minute amounts.

Tr: Trace element (Si, Cu, Ni, Cr, Mo<0.02%)

Nb. Ti. V <0.008%

Other also conform spec.

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3. 危害辨識資料(Hazard Identification)

最重要危害效應(Most Important Health Hazards and Reactions)	
3.1 緊急概要(Emergency Overview)	NA
3.3 環境影響(Environmental Impact)	NA
3.2 健康危害效應(Health Hazards and Reactions)	Medical conditions generally aggravated by exposure would be dermatitis and pulmonary disease or disorders.
3.4 物理性及化學性危害(Physical and Chemical Hazards)	
3.5 特殊危害(Specific Hazards)	NA
3.6 主要症狀(Cardinal Symptoms)	流血、發炎
3.7 危害物質分類(Hazard Classification)	NA

4. 急救措施(First Aid Measures)

不同暴露途徑之急救方法 (First Aid Measures for Different Kinds of Exposures)	
4.1 眼睛接觸(Eye Contact)	配戴護目鏡 Safety glasses should always be worn when grinding or cutting; face shields should be worn when welding or burning. Immediately flush well with running water to remove particulate; get medical attention.
4.3 吸　　入(Inhalation)	使用呼吸器.Remove to fresh air; if condition continues, consult physician.
4.4 其他 衣物及設備(Other Clothing and Equipment)	遵照規定. As required for protection depending on the operation and safety codes.
4.5 最重要症狀及危害效應概要 (Most Important Symptoms and Hazard Reactions)	金屬不含揮發物質不會被吸入;生產過程不含有害物質故對眼睛組織不傷害;對皮膚無傷害;金屬材料食入後對消化系統有傷害. Steel products in their nature state do not present any contamination or air pollution.
4.6 對急救人員之防護(Protection to First-Aid Attendants)	先使用清水沖洗,使用碘酒消毒,使用繃帶包扎,立即就醫 Immediately flush well with running water to remove particulate; get medical attention.
4.7 對醫師之提示(Suggestions to Doctors)	Steel products in the natural state do not present an inhalation, ingestion, or contact health hazard. However, operations such as welding, burning, sawing, brazing, grinding, and possibly machining, which results in elevating the temperature of the product to or above its melting point or result in the generation of airborne particulates may present hazards. The above operations should be performed in well ventilated areas. The major exposure hazard is inhalation.

5. 滅火措施(Fire Fighting Measures)

適用滅火劑(Suitable Extinguishing Media)	無特殊要求 NA
滅火時可能遭遇之特殊危害(Special Hazards in Fire)	無特殊危害 NA
特殊滅火程序(Special Fire-Fighting Procedures)	本產品不易燃燒 NA
火災及爆炸防護 (Fire and Explosion Hazards)	不會自燃或爆炸(Steel products in their nature state do not present a fire or explosion hazard)

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6. 洩漏處理方法(Accidental Release Measures)

個人應注意事項(Personal Precautions)	按一般雜物清理操作方式 Follow normal junk disposal procedures N/A
環境注意事項(Environmental Precautions)	先處理，後廢弃 process it before disposal
清理方法(Methods for Cleaning)	直接在衛生處掩埋 Bury at indicated location

7. 安全處置與儲存方法(Handling and Storage)

處 置 (Handling)/ 儲 存 (Storage)	鋼料應存于通風良好,安全且避免日曬雨淋之場所. Non-ventilated areas when cutting, welding, burning or brazing; avoid generation of airborne dust and fumes.

8. 暴露預防措施(Exposure Controls, Personal Protection)

工程控制(Engineering Measures)	不需要特殊工程控制 NA
控制參數(Control Parameters)	NA
個人防護設備(Personal Protection Equipment)	Use appropriate clothing such as welders aprons & gloves when welding or burning. Check local codes.
衛生措施(Hygiene Measures)	遵從法令規定 NIOSH approved dust/mist/fume respirator should be used during welding or burning if OSHA PEL or TLV is exceeded.

9. 物理及化學性質(Physical and Chemical Properties)

成 分(Component)	
9.1 物質型態 (tate of Substance)	固體 Solid
9.2 顏色(Color)	金屬色 Black with Metallic Luster
9.3 外觀(Appearance)	圓柱體 Bar
9.4 氣味(Odor)	無特殊氣味 Odorless
9.5 PH 值(PH Value)	NA
9.6 溶點(Melting Point)	高溫 High Temperature; Approx. 2700 °F
9.7 沸點(Boiling Point)	NA
9.8 閃火點(Flash Point °F/℃)	NA
9.9 分解溫度(Decomposing Temperature)	980°C 高溫以上
9.10 自燃溫度(Auto Igniting Temperature)	不會自燃 NA
9.11 硬度(Hard) HRB	--
9.12 抗拉強度 (Tensile strength)	--
9.13 密度(Density)	--
9.14 擴張極限(Explosion Limits:x/Min)	--
9.15 降伏強度(kg/mm2)Yield Strength	--
9.16 斷面縮率(Reduction of Area)	--
9.17 荷重	--

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10. 安全性及反應性(Stability and Reactivity)

安定性(Stability)	極穩定 Steel products in their nature state is stable.
特殊狀況下可能之危害反應 (Possible Hazard Reaction Under Special Conditions)	NA, Steel products in their nature state is stable.
應避免之狀況(Conditions to Avoid)	需置放通風處.Non-ventilated areas when cutting, welding, burning or brazing; avoid generation of airborne dust and fumes.
應避免之物質(Materials to Avoid)	避開水氣與瓦斯.Stable under normal conditions to use, storage and transport. Reacts with strong acids to form hydrogen gas. At temperatures above melting point, metallic oxide fumes may be liberated.
危害分解物(Hazardous Decomposition Products)	避開金屬氧化物.Metallic oxides.

11. 毒性資料(Toxicological Information)

急毒性(Acute Toxicity)	NA
局部效應(Local Effects)	NA
致敏感性(Sensitivity)	NA
慢毒性或長期毒性(Chronic or Long Term Toxicity)	NA
特殊效應(Special Reactions)	NA

12. 生態資料(Ecological Information)

可能之環境影響／環境流佈 Possible Environmental Impact / Environments Run-offs)	因未含有害物質，故對環境幷無影響.NA-Use good housekeeping practices to prevent accumulation of dust and to keep airborne dust to a minimum. Avoid breathing metal fumes or dust.

13. 廢棄處置方式(Disposal Considerations)

產品廢棄處理(Product Discard Disposal Method)	依環保規定執行 NA-follow federal, state, and local regulations regarding disposal.
包裝廢棄處理(Packing Discard Disposal Method)	依環保規定執行 NA-follow federal, state, and local regulations regarding disposal.

14. 運送資料(Transport Information)

國際運送規定(International Transportation Regulations)	
14.1 美國交通部、49 CFR 分級	NA
14.2 海運，IMDG 分級	NA
14.3 航運，TATA 分級	NA
14.4 聯合國編號(UN Reference No.)	NA
14.5 國內運送規定(Domestic Transportation Regulations)	依運輸安全法規定執行 follow the law.
特殊運送方法及注意事項 (Special Transportation Methods and Precautions)	除了依運輸安法規定執行外，還應注意產品的包裝等。Appropriate packaging and precautions are needed.

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15. 法規資料(Regulatory Information)

適用法規(Applicable Regulation)	環保廢弃物處理法規.Recyclable junk disposal act
Occupational Exposure Limits:	Chromium and Nickel have been identified by the international Agency for Research on Cancer(IARC) and the National Toxicology Program (NTP) as potential carcinogens.

16. 其他資料(Other Information)

參考文獻(Reference Document)	環境資源不使用證明書 MSDS
製表單位(Department)	巨昌金屬股份有限公司 Geu Chone Metal Co.,Ltd
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製表日期(Data Prepared)	12 January, 2023

備註(REMARK):

產品安全檢測報告是提供使用者關於危險有害化學物質確保安全使用之參考資料,經詳細瞭解本身責任後,對應相關必要適切之處置進而活用之.此份資料並不適用做為安全保證使用.

Product safety test report is to provide the user with regard to hazardous chemicals to ensure the safe use of reference data, detailed information on responsibilities, corresponding necessary appropriate disposal and use. this data does not apply as a security guarantee.