



Tor 採購
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SDS (Safety Data Sheet) 安全資料表



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一、Product and Company information 物品與廠商資料

Chemical number 化學品編號	MCM SUPERSYN 400HW
Chemical name 化學品名稱	Fully synthetic water-soluble cutting fluid 全合成水溶性切削液
Recommended use and restrictions on use 建議用途及限制使用	Metal processing use 金屬加工使用
Product Name 製造商或供應商	MECOM Industries Corp. 美科科技股份有限公司
Address 地址	No.4, Gong 3rd Rd., Dayuan Dist., Taoyuan City 337, TAIWAN. 桃園市大園區工三路四號
Telephone 電話	03-386-4599 +886-3-3864599
Fax Number 傳真	03-386-4109 +886-3-3864109
Emergency Telephone 緊急聯絡電話	03-386-4599 +886-6-3661288

二、Hazards identification information 危害辨識資料

Chemical Hazard Classification 化學品危害分類： Acute Toxic Substance Level 5 (Ingestion), Acute Toxic Substance Level 5 (Skin) 急毒性物質第5級(吞食)、急毒性物質第5級(皮膚)
Label content 標示內容
 Signal words: exclamation mark 警示語：驚嘆號 Hazard statements: May cause damage to organ. 危害警告訊息：長期或重複暴露可能對器官造成傷害。 Precautionary statements: 危害防範措施： - 如遇意外或覺得不適，立即洽詢醫療。 Get medical attention/advice if you feel unwell. - 使用本產品時，不得吃東西、喝水或抽菸。 Do not eat, drink or smoke when using this product. - 處置後徹底清洗雙手。 Wash hands thoroughly after handling.
Other hazards 其他危害：-----

三、Ingredients identification information 成分辨識資料

☐ Pure material 純物質 ☒ Mixture 混合物

Chemical property 化學性質		
Chinese and English names of The hazardous ingredients 危害物質成分之中英文名稱	Concentration or concentration ranges (% of contents) 濃度或濃度範圍(成分百分比)	CAS No.
N/A	N/A	N/A

四、First-aid Measures 急救措施

The first-aid measures for different exposure routes 不同暴露途徑之急救方法	
Inhalation 吸入	1.Immediately move the patient to the ventilation and hold his breathing unimpeded. 立即將患者移至新鮮空氣處並依需要維持其呼吸暢通。 2.Offering the artificial respiration if patient stop breathing or dyspnea. 若呼吸停止，施予人工呼吸。 3.Keep the patient warm and rest. 保持患者溫暖及休息。 4.Seek medical advice immediately. 立即就醫。
skin contact 皮膚接觸	1.Use considerable water to wash. 以大量的清水沖洗。 2.The chemicals washed out and use the soap and water wash the skin 沖掉沾染的化學品再用肥皂及水清洗皮膚。 3.If still have sense of stimulating, Please seek medical advice immediately. 如仍有刺激感，立即就醫。
eye contact 眼睛接觸	1.Don't let the patient knead or close the eyes. 勿讓患者搓揉眼睛或緊閉眼睛。 2.Carefully open the eyelid and use water wash, Continuously wash it to seeking medical advice. 小心地撐開眼皮並立即沖洗，連續沖洗至就醫為止。 3.Seek medical advice immediately. 儘速就醫。
Ingestion 食入	1.Don't queasy and feed the food (Unless medical instructions of personnel). 勿餵食任何東西及催吐（除非醫療人員指示）。 2.Seek medical advice immediately. 立即就醫。
The most important symptoms and hazardous effects 最重要症狀及危害效應	None 無
The protection of first-aiders 對急救人員之防護	None 無
Notes to physicians 對醫師之提示	Treat according to symptoms. Under severe smoke exposure, inhalation may cause inflammation of the lungs. 依徵狀處理。在煙霧嚴重的暴露下，吸入可能會導致肺部的發炎。

五、Fire Fighting Measures 滅火措施

Fire-fighting measures 適用滅火劑	Water, Foam, Powder and CO2 extinguisher. 水、泡沫、乾粉及二氧化碳滅火劑。
Suitable fire extinguishing media 滅火時可能遭遇之特殊危害	nitride 氮化物

Specific hazards may be encountered during fire-fighting 特殊滅火程序	Not application. 不適用
Specific fire-fighting methods 消防人員之特殊防護設備	Half-face respiratory protective equipment and full-face protective clothing, or S.C.B.A., to minimize skin exposure 半罩式呼吸防護設備和全罩式防護衣或S.C.B.A. 使皮膚最低的暴露

六、Accidental release measures 洩漏處理方法

Personal precautions 個人應注意事項	Avoid slipping 避免滑倒
Environmental precautions 環境注意事項	Do not dump into drains, sewers, or water sources. 不可傾倒於排水溝，下水道、水源地
Methods for cleaning up 清理方法	Absorb with inert absorbent to remove in the most effective way. 以惰性吸收劑吸附，以最有效的方法移除

七、Safe handling and storage measures 安全處置與儲存方法

Handling 處置	Avoid repeated and long-term skin contact and avoid inhalation of mist. 避免皮膚重覆及長期接觸，避免吸入霧氣
Storage: 儲存	Avoid freezing and direct sunlight. Store in a dry, cool and well-ventilated environment. Keep the lid tightly closed when not in use. 避免凍結、陽光直射，存放於乾冷和通風良好的環境，不使用時需蓋緊桶蓋

八、Exposure controls measures 暴露預防措施

Engineering control: 工程控制 Ventilation equipment, mechanical means to avoid oil exposure are more important than personal protection 通風設備，機械方式避免油品暴露，比個人防護更重要				
Control parameters 控制參數				
Element of The hazardous ingredients 元素中英文名稱	8 hours time weighted average exposure limits 八小時日時量平均容許濃度 TWA	Short-term exposure limits 超時間時量平均容許濃度 STEL	maximum exposure limits 最高容許濃度 CEILING	biological standards 生物指標 BEIs
Personal protective equipment 個人防護設備				
respiratory protection 呼吸防護	☆General: Wear the gauze mask. 一般使用：配戴口罩。 ☆Emergency: Dust or smog exceeds permitting the concentration, need wear avoid dust and smog gas mask. 緊急狀況：粉塵或煙霧超過容許濃度時，應配戴防粉塵及煙霧的防毒面具。			
hand protection 手部防護	Rubber or plastic protective gloves. 橡膠或塑膠的防護手套。			
eye protection 眼睛防護	Put on the safe glasses and/or mask 配戴安全眼鏡及/或面罩。			
skin and body protection 皮膚及身體防護	Work clothes and protective gloves should be worn. 應穿戴工作衣及防護手套。			
Hygiene measures 衛生措施	Contaminated clothing needs to be washed before use 使用受污染的衣服前，衣服需要清洗			

九、Physical and chemical properties 物理及化學性質

Appearance (physical state, color, etc.) 外觀 (物質狀態、顏色等)	Physical state: liquid 物質狀態: 液態 Shape: The diluent is transparent 形狀: 稀釋液呈透明色 Color: Transparent color 顏色: 透明色
Odor 氣味	The diluent has a weak taste 稀釋液淡味道
Odor threshold 嗅覺閾值	-----
Melting point 熔點	-----
PH value PH 值	9.8 ± 0.5 (1:20)
Flammability (solid, gas) 易燃性 (固體、氣體)	不易燃 No Flammability.
Decomposition temperature 分解溫度	-----
Explosion limits 爆炸界限	-----
Vapor pressure 蒸氣壓	<1mmHg 25°C
Solubility 溶解度	Completely soluble 可完全溶解

十、Stability and reactivity 安定性及反應性

Stability 安定性	Stable, under normal circumstances, will not polymerize 安定, 在正常情況下, 不會聚合反應
Possible hazardous reactions occurring under specific conditions 特殊狀況下可能之危害反應	-----
Conditions to avoid 應避免之狀況	Direct sunlight, temperature higher than 35°C 太陽直射, 溫度高於 35°C
Materials to avoid 應避免之物質	Strong oxidizing agent 強氧化劑
Hazardous decomposition products 危害分解物	-----

十一、Toxicological information 毒性資料

Routes of exposure 暴露途徑	-----
Symptoms 症狀	-----
Acute toxicity 急性	可能造成眼睛、鼻子、喉、皮膚的刺激。 Possible induce eye, nose, throat and skin provoke.
Chronic toxicity or long term toxicity 慢性或長期毒性	與皮膚接觸可能使某些人產生皮膚炎或過敏。 Contacts with the skin some people will produce atopic dermatitis.

十二、Ecological information 生態資料

Environmental assessment 環境評估	Avoid discharging into sewers and water sources. 避免排入下水道、水源
Mobility 可動性	Flowing liquid, soluble in water 流動液體，可溶於水
persistence and decomposability 存留和可分解性	Organic ingredients, naturally biodegradable 有機成份，固然的生物可分解
Potential to bioaccumulate 潛在的生物累積	Bioaccumulation is not expected 不預料會有生物累積
Ecological toxicity 生態的毒性	-----

十三、Waste disposal measures: 廢棄處置方法

Disposal methods 廢棄處置方法	Disposal must comply with local or national regulations 廢棄處置需符合當地或國家的法令
	Unused product: Dispose of it to a licensed site through your local legal waste contractor 未使用產品：透過當地合法廢棄物承包商，將它處置到一個許可的場所
	Used or contaminated product: Dispose of it to a licensed site through a local legal waste contractor 使用過或污染的產品：透過當地合法的廢棄物承包商，將它處置到一個許可的場所
	Packaging materials must be disposed of through local legal waste contractors, or can be cleaned and recycled by evaporation 包裝材料：必需透過當地合法廢棄物承包商處置，也可用蒸發清洗和回收

十四、Transport information 運送資料

United Nations number(UN No) 聯合國編號	-----
UN Proper shipping name 聯合國運輸名稱	-----
Transport hazard class(es) 運輸危害分類	This product is not classified as a transport hazard. 此產品不被列為有運輸上的危險
Packing group 包裝類別	-----
Marine pollutant(Yes/No) 海洋污染物 (是/否)	☐ Yes 是 ☒ No 否
Specific transport measures and precautionary conditions 特殊運送方法及注意事項	-----

十五、Regulatory information 法規資料

Applicable regulations 適用法規	1. Occupational Safety and Health Act 職業安全衛生法
	2. Labeling and General Information Rules for Hazardous Chemicals 危害性化學品標示及通識規則
	3. Allowable exposure standards for labor workplaces 勞工作業場所容許暴露標準
	4. Road traffic safety rules 道路交通安全規則
	5. Industrial waste storage, removal, treatment methods and facility standards 事業廢棄物貯存清除處理方法及設施標準
	6. Toxic and Chemical Substances of Concern Management Act 毒性及關注化學物質管理法
	7. Measures for the Management of Labeling and Safety Data Sheets of Toxicity and Chemical Substances of Concern 毒性及關注化學物質標示與安全資料表管理辦法
	8. Standards for the establishment of public dangerous goods and flammable high-pressure gas manufacturing, storage and processing sites Safety management 公共危險物品及可燃性高壓氣體製造儲存處理場所設置標準暨安全管理辦法

十六、Other information 其他資料

References 參考文獻	1. OHS 15037 2. OHS 50243 3. Allowable concentration standards of harmful substances in the air of labor working environment 勞工作業環境空氣中有毒物容許濃度標準	
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