HAIMALY BOND

安全資料表 (Safety Data sheet)

一、化學品與廠商資料 (1. Identification)

化學品名稱 (Product name)： HB-8801
其他名稱：矽膠密封劑 Other names: Silicone Sealant
建議用途及限制使用：披覆、密封劑、膠粘劑 Recommended and Limited Use of Product: Sealant and Adhesive
製造者、輸入者或供應者名稱：埃銘科技有限公司 地址：台北市羅斯福路二段 66 巷 21 號 3 樓 Name of manufacturer or supplier：HAIMALY CORPORATION Address：3F, No.21, Lane 66, Sec.2, Roosevelt Road Taipei ,R.O.C. 電話 (Phone)：+886-2-2357-6658
緊急聯絡電話 (Emergency contact phone numbers)： +886-2-2357-6658 傳真電話 (Fax numbers)：+886-2-2357-7123

二、危害辨識資料 (2. Hazard(s) identification)

化學品危害分類：急毒性物質第 4 級(吞食) Classification：Toxic-Oral Category 4
標示內容(Label)：  驚嘆號(Exclamation mark) 警示語：警 告 (Principal Hazard: Warning!) 危害警告訊息(Risk Warning)： 危害警告訊息：可能造成皮膚過敏 (May cause allergic skin reaction.) 造成皮膚刺激 (Cause skin irritation.) 造成眼睛刺激 (Cause eye irritation.) 吞食可能有害 (Maybe harmful if swallowed.) 危害防範措施 (Precautionary Measures)： 勿吞食。(Do not take orally.) 避免接觸眼睛與皮膚 (Avoid eye and skin contact.) 操作時，戴安全眼鏡 (Wear safety glasses.) 操作時，戴防護手套 (Use protective gloves.) 若與眼睛接觸，立即以大量清水洗滌後洽詢醫療。 (For eye contact, immediately flush eyes with plenty of water and promptly get medical attention.) 若與皮膚接觸，以流動的水與肥皂洗淨 (For skin contact, wash with plenty of soap and water.)
其他危害(Other hazards)：—

三、成分辨識資料 (3. Composition/information on ingredients)

化學性質：混合物 (Chemical properties: Mixture)		
成分之中(英)文名稱 Chinese and English names of the ingredients	化學文摘摘要號碼 CAS No.	濃度或濃度範圍(成分百分比) Concentration or concentration ranges (ingredient percentage)
羥基端聚二甲基硅氧烷(Hydroxyterminated polydimethylsiloxane)	70131-67-8	89
有機硅烷 Organosilane	22984-54-9	11

四、急救措施 (4. First aid measures)

不同暴露途徑之急救方法：

吸　　入：將患者移至空氣清新處，若有需要給予人工呼吸或氧氣。

皮膚接觸：以乾的布或紙巾立即擦拭除去接觸皮膚的本產品，並用肥皂清洗乾淨。

眼睛接觸：盡快用大量清水沖洗 15 分鐘，並立刻就醫。

食　　入：若吞食，少分量多次飲大量的水，但只有當人還具有清醒意識時。尋求醫療。勿用嘔吐法，除非有醫護人員在場。

First aid measures for different exposure ways：

Inhalation: Remove to fresh air. Get medical attention if ill effects persist.

Skin Contact: Immediately remove product from skin with dry cloth or towel, and wash exposed area with soap or waterless cleanser.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes and promptly get medical attention.

Ingestion: Drink plenty of water by several times of small amount. Get medical attention. Do not induce vomiting unless directed to do so by medical personnel.

最重要症狀及危害效應：–

The most important symptoms and hazardous effects: Symptoms of Overexposure：-

對急救人員之防護：

呼吸防護：通常不須使用呼吸防護設備。

眼睛防護：使用安全眼鏡。

手的防護：穿戴防護手套。

The protection of first-aiders:

Respiratory protection:　No respiratory protection should be needed.

Eye protection:　Use safety glasses.

Hand protection:　Wear chemical resistant gloves.

對醫師之提示：–

Notes to physicians: -

五、滅火措施 (5. Fire-fighting measures)

適用滅火劑：水霧、耐醇泡沫、乾化學藥劑、二氧化碳、砂。

Suitable fire extinguishing media: Water spray, foam, dry chemical, carbon dioxide, or sand.

滅火時可能遭遇之特殊危害：　無。

Specific hazards may be encountered during fire-fighting: None.

特殊滅火程序：根據當地緊急計劃，決定是否需要撤離或隔離該區域。澆水冷卻暴露於災區內的容器。

Special fire-fighting procedures: According to your local emergency plan, determine the need to evacuate or isolate the area. Use water spray to cool fire-exposed containers.

消防人員之特殊防護設備：撲滅化學物質引起的火災時，應佩戴自給式呼吸器與防護衣。

Special equipment for the protection of firefighters: Wear positive pressure self–contained breathing apparatus (SCBA) and full protective equipment.

六、洩漏處理方法 (6. Accidental release measures)

個人應注意事項：避免接觸眼睛與皮膚接觸。避免吸入蒸氣。保持容器緊密。不可吞食。在洩露及外洩區未清理乾淨前，禁止未穿戴防護裝備及衣物者進入。

Personal Precautions：Avoid eye and skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Keep out people who do not wear protective equipment until the whole contaminated area is cleaned.

環境注意事項：對大量外洩，挖溝渠或用適當的防堵設備如沙土防止擴散，或進入下水道、排水溝或河川。

Environment Precautions：Keep out of sewers, storm drains, surface water, and rivers by using sand, earth or other appropriate barriers.

清理方法：遵守本物質安全資料表中所列的個人防護設備使用建議。以適當吸收物清理並用合適的容器裝起來。使用者當依其當地政府的法令與規定，適當地處理外洩物及清潔材料的丟棄處理。

Methods for cleaning up：According to local emergency plan, determine the need to evacuate or isolate the area. Follow all personal protective equipment recommendations described in this MSDS. Scrape up and wipe with suitable materials, (i.e., earth, absorbent paper, and rag), and place in appropriate containers. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean-up of releases. Users should determine which laws and regulations are applicable.

七、安全處置與儲存方法 (7. Handling and storage)

處置：–

Handling：-

儲存：存放於低於 25℃冷暗乾燥處所。保持容器密封。避免陽光照射，水、濕氣、高溫、火源、和氧化物質。
Storage：Store at lower than 25℃dry and cool place. Keep container closed. Keep away from sunlight, water, humid air, heat, sparks, flame, and oxidizing materials.

八、暴露預防措施 (8. Exposure controls/personal protection)

工程控制：整體換氣：建議使用通風排氣相關設備。
局部排氣裝置：建議使用通風排氣相關設備。
Engineering control: Mechanical (general): Recommended.
Local exhaust: Recommended.

控制參數 (Control parameters)：

八小時日時量平均容許濃度 8 hours weighted average exposure limits	短時間時量平均容許濃度 Short-term exposure limits	最高容許濃度 Maximum exposure limits
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備註: -
Note: -

生物指標(Biological standards)： ー
個人防護設備 ：
眼睛防護：使用安全眼鏡。
呼吸防護：暴露於超過安全限量的濃度時，需穿戴自給式呼吸器(SCBA)或其他供氧式呼吸器。
手部防護：戴不滲透手套，如丁基橡膠、丁腈橡膠。
皮膚及身體防護：操作前後、進餐與下班之前當洗淨，穿戴不滲透衣物，盡量減少皮膚的接觸。若皮膚接觸，應盡快除去被沾染的衣物，並用冷水沖洗沾染的皮膚。
Personal Protective Equipment：
Eye / Face Protection：Wear safety glasses.
Respiratory Protection：Use air-supplied breathing apparatus unless local exhaust ventilation is adequate or decomposed product is within recommended exposure limits.
Hand Protection: Wear chemical resistant gloves, such as isobutylene-isoprene rubber and nitrile butadiene rubber gloves.
Skin Protection: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical resistant gloves are recommended.
附加保護處理：應在工作場所設置安全淋浴及洗眼裝置，並教導與訓練員工能根據指示正確地操作與使用。
Additional Protective measures: Shower and eye rinse apparatus should be needed at work place, and workers should be trained to use it correctly.

衛生措施：施行良好的工業安全衛生措施，請於操作後進行清洗，尤其是在飲食或抽煙前。工作場所嚴禁吸煙。維持作業場所清潔
Hygiene Measures: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. No smoking at work place. Keep a clean work place.

九、物理及化學性質 (9. Physical and chemical properties)

外觀：透明 Appearance: transparent	氣味：輕微。 Odor: Mild odor
嗅覺閾值：尚未測定。 Odor threshold: Not determined	熔點：尚未測定。 Melting point: Not determined
pH 值：尚未測定。 pH value: Not determined	沸點/沸點範圍：尚未測定。 Boiling Point / Range: Not determined
易燃性（固體、氣體）：無 Flammability（solid, gas）: No	閃火點 (閉杯測試法) Flash point (Close Cup): >110 ℃
分解溫度：尚未測定。 Decomposition temperature: Not determined	爆炸界限：否。 Explosion limits: No
自燃溫度：尚未測定。 Auto-ignition temperature: Not determined	蒸氣密度(空氣=1)：尚未測定。 Vapor density(air=1): Not determined
蒸氣壓：尚未測定。 Vapor pressure: Not determined	溶解度：尚未測定。 Solubility: Not determined
密度(水=1) Density (water=1): 1.01	揮發速率：尚未測定。 Evaporation rate : Not determined
辛醇／水分配係數（log Kow）：尚未測定。 Partition coefficient (n-octanol/water, log Kow): Not determined	

十、安定性及反應性 (10. Stability and reactivity)

安定性：安定。
Stability: Stable.

特殊狀況下可能之危害反應：無。
Possible hazardous reactions under specific conditions: None.

應避免之狀況：無。
Condition to Avoid: None.

應避免之物質：水、水氣、潮濕空氣、強氧化劑、酸、鹼會使此產品固化。
Materials to Avoid: Water, moisture, humid air, oxidizing agents, acids, or bases can cause this product cured.

危害分解物：高溫下會被分解生成二氧化矽、二氧化碳、微量燃燒不完成的含碳化物、氧化氮和甲醛。
Hazardous Decomposition Products: Silicon dioxide, carbon dioxides, traces of incompletely burned carbon compounds, and formaldehyde.

十一、毒性資料 (11. Toxicological information)

暴露途徑：皮膚接觸、眼睛接觸、或意外吞食等途徑進入人體。
Route s of exposure: Skin contact, eye contact, and accidental ingestion.

症狀：尚無適用資料。Symptoms: Not applicable.

急毒性 Acute toxicity：

危害物質成分之中(英)文名稱 (Hazardous Ingredients)	CAS No.	半致死量(食入) LD_{50} (Oral)	半致死量(吸入) LC_{50} (Inhalation)
有機硅烷 Organosilane	22984-54-9	> 2,520 mg/Kg (大鼠, rat)	> 50 mg/L (大鼠 rat/4hrs)

刺激/腐蝕作用：
皮膚：無刺激性的(兔子)
眼睛：輕刺激性的

致敏作用：
皮膚：不致敏的(豚鼠)
吸　　入：蒸氣會對呼吸系統有輕微的刺激。在固化過程中放出的氣霧，過量吸入可能會引起昏眩。
皮膚接觸：單一短期接觸，無明顯刺激性發生。長期高劑量接觸，可能引起敏感性。
眼睛接觸：直接接觸會引起刺激性。
食　　入：正常使用情況，食入的現象不應發生。過量食入會造成頭暈、暈眩、困惑、失去肢體協調性。

Irritation/Corrosion:
Skin: No irritation (rabbit)
Eyes: Slight irritation

Skin sensitization: None (guinea pig)
Inhalation: Vapor and/or mist may irritate nose and throat. Vapor overexposure may cause drowsiness.
Skin contact: No significant irritation under short term contact. Long term repeated skin contact may cause allergic
Eye contact: Directly contact may cause severe irritation.
Ingestion: Ingestion should not occur under normal use. Overexposure by ingestion may cause dizzy、drowsiness, confusion、loss of physical co-ordination.

慢毒性或長期毒性：
吸　　入：-
皮膚接觸：重覆或長時間暴露，可能引起嚴重的刺激性。重覆接觸皮膚可能引起皮膚過敏感性反應。
食　　入：重覆或大量食入，可能傷害身體內部系統或器官。

Chronic Toxicity:
Inhalation: -
Skin: Repeated or long-term exposure may cause irritation.
Ingestion: Repeated or overexposure may damage internally.

備註：以上資料所列舉的潛在危害是建立在對產品或類似的產品組成、成份的研究所得數據、或專家對產品的評估的基礎上。
Note: The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

十二、生態資料 (12. Ecological information)

生態毒性：尚未測定。
Ecological toxicity: Not determinate.

持久性及降解性：尚未測定。

Permanence and degradability: Not applicable.
生物蓄積性：尚未測定。 Bioaccumulation potential: Not applicable.
土壤中之流動性：此產品為不含可溶於水物質，使用過濾可以很好地和水分離。 Mobility in soil: This product is a solid and does not contain significant concentrations of water soluble components which may be leached from the product. It is therefore not likely to present a danger to terrestrial organisms.
其他不良效應：尚未得知。 Other adverse effects: Not applicable.

十三、廢棄處置方法 (13. Disposal considerations)

產品廢棄處置方法：勿排放入排水道或地面。任何廢棄物處理均須符合政府的規定，在特殊垃圾焚化裝置焚燒。各地政府之規定或有不同。化學添加物、加工過程、或其他改變均可能影響此安全資料中廢棄物處理資料的不周全或不適用。廢棄物的特性與處理當由使用者自行判斷。 Methods of waste disposal: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

十四、運送資料 (14. Transport information)

聯合國編號：未派定 United Nations number(UN No): None allocated
聯合國運輸名稱：未派定 UN Proper shipping name: None allocated
運輸危害分類：未派定 Transport hazard class(es): None allocated
包裝類別：未派定 Packing group: None allocated
海洋污染物（是／否）：否。 Marine pollutant (Yes/No): No
特殊運送方法及注意事項：尚未得知。 Specific transport measures and precautionary conditions: Not applicable

十五、法規資料 (15. Regulatory information)

適用法規：

職業安全衛生設施規則。
危害性化學品標示通識規則。
有機溶劑中毒預防規則。
道路交通安全規則。
事業廢棄物貯存清除處理方法及設施標準。
勞工作業場所容許曝露標準。
公共危險物品及可燃性高壓氣體設置暨安全管理辦法。

Applicable regulations:

Rules on Workers Health and Safety Facilities.
Rules on Hazard Communication of Dangerous Chemicals.
Rules on the Prevention of Poisoning from Organic Solvents.
Rules for Transport by Road.
Standards for the Storage, Cleanup, Handling and Disposal of Industrial Waste.
Standards for Exposure Limits of Work Place.
Public Hazardous Materials and Flammable Pressurized Gases Establishment Standards and Safety Control Regulations.

十六、其他資料 (16. Other information)

參考文獻 Literature references	公司內部資料、聯合國危險貨物運輸建議書(2005)、化學品全球分類及標示調和制度(2005)、Thomson MICROMEDEX、**IUCLID** Chemical Data Sheets Information System、ESIS、HSDB、及其他。 Internal Technical Data, Recommendations on the Transport of Dangerous Goods – Model Regulations (2005)、Globally Harmonized System of Classification and Labeling of Chemicals (2005)、Thomson MICROMEDEX, **IUCLID** Chemical Data Sheets Information System, ESIS, HSDB, and others.

製表單位 Organization that prepared the SDS	名稱：埈銘科技有限公司 Name：HAIMALY CORPORATION	
	地址：台北市羅斯福路二段 66 巷 21 號 3 樓 Address：3F, No.21, Lane 66, Sec.2, Roosevelt Road Taipei ,R.O.C. 電話 (Phone)：+886-2-2357-6658	
製 表 人 (Person who prepared the SDS) 職稱：工業安全課 Title: Department of industrial safety		姓名(簽章)：glan
製表日期 Date of the SDS was prepared (y/m/d)		2024/05/08

備註：以上資料乃是在以製作此資料前所知無虛報的結果，僅提供參考，並非作為保證，當視不同地區有調整的必要而有所變更。客戶於使用前，應依所須條件及當地的法令測試後，再決定是否適用。

Notice：The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the users' responsibility to ensure that its activities comply with international and local laws.