

# 安全資料表

Safety Data Sheet(SDS)

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## 1、物品與廠商資料

### 1、Identification of the material and company

化學品名稱:HUITEX 土工膜 Chemicals name:HUITEX GEOMEMBRANE
建議用途: Main Applications: 垃圾衛生掩埋場、垃圾衛生掩埋場封閉復育工程、有害廢棄物處理場、液態廢棄物處理場、水產養殖池、運河、飲用水儲存槽、水庫、人工湖、河堤、屋頂防漏、地板防潮、路基穩固、碼頭鋼管樁潮間帶防蝕工程、溼地養生工程、礦場萃取液防滲層、隧道、液體儲存槽。 Landfills、Landfill Caps、Hazardous Waste Containments、Secondary Containments、Aquaculture Ponds、Canals、Potable Water Containments、Water Reservoirs、Mining、Storage Tanks、Concrete Protection
製造商、輸入者或供應者名稱/地址/電話/傳真: Producer、Importer、Supplier/Address/Tel/Fax: 惠光股份有限公司/72152 台南市麻豆區苓子林 17-10 號 Huikwang Corporation/17-10 Ling Tzyy Lin, Matou 72152, Tainan, Taiwan
緊急聯絡電話/傳真電話:(06)5702181/(06)5700065 Emergency Phone/Fax:+886-6-570-2181/+886-6-570-0065

## 2、危害辨識資料

### 2、Hazards identification

化學品危害分類:無 Chemicals hazardous category:None
標示內容: Contents of label: 象徵符號: symbol  驚嘆號
警示語:驚嘆號標示 Warnings:Exclamation mark
其他危害:無 Other Hazards:None

## 3、成分辨識資料

### 3、Composition/Information on Ingredients

中英文名稱:HUITEX 土工膜 Technical name:HUITEX GEOMEMBRANE
同義名稱:PE 土工膜 Chemical name:PE Geomembrane
化學文摘社登記號碼(CAS No.): Chemical Abstracts Number (CAS No.) 聚乙烯(PolyEthylene):25213-02-9 碳黑(Carbon Black)1333-86-4
危害成分(成分百分比):無 Dangerous components:NONE

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## 4、急救措施

### 4、First Aid Measures :

不同暴露途徑之急救方法： Emergency And First Aid Procedures: 吸入:如有人員遇此情況，將其移動至空氣流通處。 Inhalation:move person to fresh air; if effects occur, consult a physican. 食入:無需採取必要措施，除非大量吞食。 Ingestion: very low toxicity. if swallow may cauce choking. Consult a physician when swallow a large amount pellets. 眼睛接觸:大量清水沖洗。 EYES: Wash abundantly with water. 皮膚接觸:當皮膚接觸到熔融的樹脂時，立即將接觸部位浸入冷水中，勿撥開皮膚上之附著物，尋求醫師協助。 Skin Contact :If contact with molten material, immediately immerse contacted area with cold water. Don' t attempt to peel the molten material apart from skin. Seek medical advice promptly.
最重要症狀及危害效應:無 Major Symptom And Harm Effect: none
對急救人員之防護:不需要 First-Aid Personal Protection: No need
對醫師之提示:告知醫師病患之症狀 Notes to physician:expatiate symptom or phenomenon of the patient.

## 5、滅火措施

### 5、Fire Fighting Measure :

適用滅火器:水霧、二氧化碳、化學乾粉、醇類泡沫或通用型泡沫 Suitable Extinguishing Media:Water, carbon dioxide, dry chemical, alcohol- or universal-type of foams
滅火時可能遭遇之特殊危害:粉塵分散於空氣中 Special Exposure Hazards:Dust may be explosive when mix with air.
特殊滅火程序: Special Extinguishing Procedure: 1. 人員於上方處，將滅火劑覆蓋於火焰表面 1.Stand on the up-wind side, then apply fire extinguisher to cover the fire area thoroughly. 2. 在安全許可下，將成品搬離火場 2. if possible, remove the remaining product or goods to a safe location. 3. 消防人員之特殊防護設備: 3.Appropriate protective fire fighting clothing and respirator arenecessary for firefighters.

## 6、洩漏處理方法

### 6、Spillage

個人注意事項:無 Personal Protection:none
環境注意事項:無 Environmental Protection:none
處理方法:以一般清除設備如吸塵器 Methods For Cleaning Up:Use standard disposal procedure to clean the leakage

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## 7、安全處置與儲存方法

### 7、Handling and Storage

處置:勿置於通道區,可能導致人員滑倒之危害,於通風良好之區域使用,運送時保持良好之固定與接地措施,避免靜電產生。

Handling:Keep material away from the traffic area, for it may be slippery. Use in well-ventilated area. Proper grounding and packaging to prevent the build up of static electricity during transportation.

## 8、暴露預防措施

### 8、Personal Protection

工程控制:於通風良好之處,避免粉塵&煙霧之累積

Engineering Control 3 Ventilated area to prevent accumulation of dust and fumes.

控制參數:8 小時日時量平均容許濃度/短時間時量平均容許濃度/最高容許濃度/生物指標:無

Control Factor:TWA/STEL/CEILING/Biotic Index (BEI):none

個人防護設備:

Personal Protection Equipment:

呼吸防護:防塵口罩

Respiratory Protection:Use dust-proof mask.

手部防護:橡膠手套或熔膠加工戴防熱手套

Hand Protection:Use rubber gloves. Use thermal resistant gloves, when needed.

眼睛防護:粉塵或煙燻之情況下,宜配戴護目鏡或面罩

Eye Protection:Use safety goggles, when dust is present.

皮膚及身體防護:宜配戴手套及長袖衣物

Skin & Body Protection 3 Long sleeve lab coats and gloves to protect skin exposure.

衛生措施:無

Hygiene Procedures:none

## 9、物理及化學性質

### 9、Physical and Chemical Properties/Characteristics

外觀:黑色或其他顏色塑膠布 Appearance:black or colored sheet	氣味:無 Odor:negligible
嗅覺閾值:無 Odor threshold:not applicable	熔點:100~135°C Melting Point: 100~135°C
pH 值:無參考值 PH value:not applicable	沸點:無參考值 Boiling Point:not applicable
易燃性:無參考值 Inflammability 3 Not applicable	閃火點:>300 °C, 測試方法:閉杯 Flash Point:>300 °C, Test Method:Close Cup
分解溫度:400°C ↑ Decomposition Temperature:400°C ↑	自燃溫度:400°C ↑ Spontaneous Temperature:400°C ↑
密度:0.92~0.96 g/cm <sup>3</sup> Density:0.92~0.96 g/cm <sup>3</sup>	爆炸界限:無參考值 Exposure Limits:not applicable
蒸氣壓:無參考值 Vapor Pressure:not applicable	蒸氣密度:- Vapor Density:not applicable
揮發速率:無 Volatility Speed:none	溶解度:不溶於水 Solubility In Water: Insoluble
辛醇/水分配係數(log Kow):無 Partition coefficient(n-octanol/water, iog Kow):none	

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## 10、安定性及反應性

### 10、Stability and Reactivity

安定性：常溫下極安定並具化學惰性。

Stability:Stable

特殊狀態下可能之危害反應：無

Special Conditions Of Hazardous Reaction:none

應避免之狀況：加熱>250°C

Conditions To Avoid:Temperature over 250°C

應避免之物質強氧化劑

Incompatibility: might react with strong oxidant

危害分解物：一氧化碳、二氧化碳、其他氣體

carbon monoxide, carbon dioxide and a wide variety of fumes.

## 11、毒性資料

### 11、Toxicological Information

暴露途徑：吸入粉塵、煙燻會刺激呼吸系統

Exposure: it might cause the respiratory system uncomfortable while inhaling the dust or smog.

症狀：無

Symptom:None

急毒性：無

Acute toxicity:none

慢毒性或長期毒性：無

Chronic toxicity:none

## 12、生態資料

### 12、Ecological Information

此產品生物無法分解，可以適當的技術進行回收作業。且本身不含鉛、汞、鎘、鉻、石棉、CFC、HCFC。

The product is not biodegradable. It can be recycled using suitable technologies. It does not contain, as additives, compounds of lead, mercury, cadmium and chromium. It does not contain asbestos, CFC, HCFC; halons .

## 13、廢棄處置方法

### 13、Disposal Information

需遵守現行中央、省及地方政府之相關法規。

Disposal must be done in accordance with existing regulations.

通常狀況下可用掩埋或焚燒方式處理；亦可以熔融或製粒方式回收。

Landfilling and incineration can be considered in most cases suitable. Recycling is possible by melting and pelletizing.

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## 14、運送資料

### 14、Transport Information

依據 RIR-ADR, IMO, IATA, IMDG, FS A11, 此產品無危害性  
According to RIR-ADR, IMO, IATA, IMDG, FS A11 the product is not dangerous.

於裝載作業時, 設備需接地措施避免靜電之問題。  
On loading and unloading, equipment must be earthed to avoid static electric charges.

## 15、法規資料

### 15、Regulation Information

適用法規: 無  
Applicable Regulations: none

## 16、其他資料

### 16、Other Information

參考文獻 Reference	無 none	
製表單位 Producer	惠光股份有限公司 Huikwang Corporation	
	地址/電話: 臺南市麻豆區苓子林 17-10 號(06-5702181) Address/Tel: 17-10 Ling Tzyy Lin, Matou 72152, Tainan, Taiwan +886-6-570-2181	
製表人 MSDS prepared by	品管科長 QA/QC Manager	黃耀霆 Rommel Huang
製表日期 Revision date	2016.01.21	
備註 Remark	無 none	

上述資料僅供參考, 各項資料已力求正確完整, 使用者請依應用需求判斷其可用性。

The information provided is given in good faith and is based on our actual knowledge. This is not a technical sheet for use of the product. This sheet does not exempt the user from knowing and applying all the relevant regulations and from taking all the relevant safety precautions.