

Safety Data Sheet(SDS)

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1、Identification of the material and company

Chemicals name: HUITEX GEOMEMBRANE
Main Applications: Landfills、Landfill Caps、Hazardous Waste Containments、Aquaculture Ponds、Canals、Potable Water Containments、Water Reservoirs、Mining、Storage Tanks、Concrete Protection
Producer、Importer、Supplier/Address/Tel/Fax: Huikwang Corporation/259 Section 1 Majia Road, Madou, Tainan 721010, Taiwan
Emergency Phone/Fax:+886-6-570-2181/+886-6-570-0065

2、Hazards identification

Chemicals hazardous category: None
Contents of label: symbol

Warnings: Exclamation mark
Other Hazards: None

3、Composition/Information on Ingredients

Technical name: HUITEX GEOMEMBRANE
Chemical name: PE Geomembrane
Chemical Abstracts Number (CAS No.) PolyEthylene:25213-02-9 Carbon Black:1333-86-4
Dangerous components: NONE

4、First Aid Measures :

Emergency And First Aid Procedures: ●Inhalation: move person to fresh air; if effects occur, consult a physican. ●Ingestion: very low toxicity. if swallow may cause choking. Consult a physician when swallow a large amount pellets. ●EYES: Wash abundantly with water. ●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.
Major Symptom And Harm Effect: none
First-Aid Personal Protection: No need
Notes to physician: expatiate symptom or phenomenon of the patient.

5、Fire Fighting Measure :

Suitable Extinguishing Media: Water, carbon dioxide, dry chemical, alcohol- or universal-type of foams
Special Exposure Hazards: Dust may be explosive when mix with air.
Special Extinguishing Procedure: ●Stand on the up-wind side, then apply fire extinguisher to cover the fire area thoroughly. ●if possible, remove the remaining product or goods to a safe location. ●Appropriate protective fire fighting clothing and respirator are necessary for firefighters.

6、Spillage

Personal Protection: none
Environmental Protection: none
Methods For Cleaning Up: Use standard disposal procedure to clean the leakage

7、Handling and Storage

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.
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8、Personal Protection

Engineering Control 3 Ventilated area to prevent accumulation of dust and fumes.
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Control Factor: TWA/STEL/CEILING/Biotic Index (BEI):none

Personal Protection Equipment:

- Respiratory Protection: Use dust-proof mask.
- Hand Protection: Use rubber gloves. Use thermal resistant gloves, when needed.
- Eye Protection: Use safety goggles, when dust is present.
- Skin & Body Protection 3 Long sleeve lab coats and gloves to protect skin exposure.

Hygiene Procedures: none

9、Physical and Chemical Properties/Characteristics

Appearance: black or colored sheet	Odor: negligible
Odor threshold: not applicable	Melting Point: 100~135°C
PH value: not applicable	Boiling Point: not applicable
Inflammability 3 Not applicable	Flash Point:>300 °C,Test Method: Close Cup
Decomposition Temperature:400°C ↑	Spontaneous Temperature:400°C ↑
Density:0.92~0.96 g/cm ³	Exposure Limits: not applicable
Vapor Pressure: not applicable	Vapor Density: not applicable
Volatility Speed: none	Solubility In Water: Insoluble
Partition coefficient(n-octanol/water,iog Kow):none	

10、Stability and Reactivity

Stability: Stable
Special Conditions Of Hazardous Reaction: none
Conditions To Avoid: Temperature over 250°C
Incompatibility: might react with strong oxidant carbon monoxide, carbon dioxide and a wide variety of fumes.

11、Toxicological Information

Exposure: it might cause the respiratory system uncomfortable while inhaling the dust or smog.
Symptom: None
Acute toxicity: none
Chronic toxicity: none

12、Ecological Information

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 .
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13、Disposal Information

Disposal must be done in accordance with existing regulations.
Landfilling and incineration can be considered in most cases suitable. Recycling is possible by melting and pelletizing.

14、Transport Information

According to RIR-ADR, IMO, IATA, IMDG, FS A11 the product is not dangerous.
On loading and unloading, equipment must be earthed to avoid static electric charges.

15、Regulation Information

Applicable Regulations:none

16、Other Information

Reference	none	
Producer	Huikwang Corporation	
	Address/Tel: 259 Section 1 Majia Road, Madou, Tainan 721010, Taiwan +886-6-570-2181	
MSDS prepared by	Engineer	Henry Lin
Revision date	2022.09.22	
Remark	none	

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.


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1、物品與廠商資料

化學品名稱:HUITEX 土工膜
建議用途: 垃圾掩埋場、垃圾掩埋場封閉、有害廢棄物處理場、水產養殖池、運河、飲用水儲存槽、水庫、礦場萃取液防滲層、水泥基礎保護。
製造商、輸入者或供應者名稱/地址/電話/傳真: 惠光股份有限公司/721010 台南市麻豆區麻佳路一段 259 號
緊急聯絡電話/傳真電話:(06)5702181/(06)5700065

2、危害辨識資料

化學品危害分類:無
標示內容: 象徴符號: 
警示語:驚嘆號標示
其他危害:無

3、成分辨識資料

中英文名稱:HUITEX 土工膜
同義名稱:PE 土工膜
化學文摘社登記號碼(CAS No.): 聚乙烯:25213-02-9 碳黑:1333-86-4
危害成分(成分百分比):無

4、急救措施

不同暴露途徑之急救方法: ●吸入:如有人員遇此情況,將其移動至空氣流通處。 ●食入:無需採取必要措施,除非大量吞食。 ●眼睛接觸:大量清水沖洗。 ●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。
最重要症狀及危害效應:無
對急救人員之防護:不需要
對醫師之提示:告知醫師病患之症狀

5、滅火措施

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
滅火時可能遭遇之特殊危害:粉塵分散於空氣中
特殊滅火程序: ●人員於上方處,將滅火劑覆蓋於火焰表面 ●在安全許可下,將成品搬離火場 ●消防人員之特殊防護設備:

6、洩漏處理方法

個人注意事項:無
環境注意事項:無
處理方法:以一般清除設備如吸塵器

7、安全處置與儲存方法

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。
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8、暴露預防措施

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工程控制:於通風良好之處,避免粉塵&煙霧之累積
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
個人防護設備: ●呼吸防護:防塵口罩 ●手部防護:橡膠手套或熔膠加工戴防熱手套 ●眼睛防護:粉塵或煙燻之情況下,宜配戴護目鏡或面罩 ●皮膚及身體防護:宜配戴手套及長袖衣物
衛生措施:無

9、物理及化學性質

外觀:黑色或其他顏色塑膠布	氣味:無
嗅覺閾值:無	熔點:100~135°C
pH 值:無參考值	沸點:無參考值
易燃性:無參考值	閃火點:>300 °C,測試方法:閉杯
分解溫度:400°C↑	自燃溫度:400°C↑
密度:0.92~0.96 g/cm ³	爆炸界限:無參考值
蒸氣壓:無參考值	蒸氣密度:-
揮發速率:無	溶解度:不溶於水
辛醇/水分配係數(log Kow):無	

10、安定性及反應性

安定性:常溫下極安定並具化學惰性。
特殊狀態下可能之危害反應:無
應避免之狀況:加熱>250°C
應避免之物質強氧化劑
危害分解物:一氧化碳、二氧化碳、其他氣體

11、毒性資料

暴露途徑:吸入粉塵、煙燻會刺激呼吸系統
症狀:無
急毒性:無
慢毒性或長期毒性:無

12、生態資料

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。

13、廢棄處置方法

需遵守現行中央、省及地方政府之相關法規。
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。

14、運送資料

依據 RIR-ADR, IMO, IATA, IMDG, FS A11,此產品無危害性
於裝載作業時,設備需接地措施避免靜電之問題。

15、法規資料

適用法規:無

16、其他資料

參考文獻	無
製表單位	惠光股份有限公司
	地址/電話: 台南市麻豆區麻佳路一段 259 號 (06-5702181)
製表人	職稱:工程師 姓名(簽章):林宏毅
製表日期	2022.09.22
備註	無

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。