

**ENGINEERING MINING CONSTRUCTION TOURISM INDUSTRY TRADE CO.  
LTD.**

**PVC WATER STOP TAPE AND PVC, HDPE, LLDPE T-LOCK MEMBRANE PRODUCTION**

**MATERIAL SAFETY DATA SHEET  
(MSDS)**

Safety Data Sheet Preparation Method and Principles Statement published in 91/155/EEC and 11 March 2002 dated and 24692 numbered Official Gazette.

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**1- PRODUCT DESCRIPTION AND PRODUCER :**

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**PRODUCT DESCRIPTION:** PE MEMBRANE –HDPE ( HIGH DENSITY POLYETHYLENE MEMBRANE )-LLDPE ( LINEER LOW DENSITY POLYETHYLENE ) – LDPE ( LOW DENSITY POLYETHYLENE MEMBRANE ) FLAT AND T GRIB GEOMEMBRANES.

**COMPANY NAME** : NATÜREL ENGINEERING MINING CONSTRUCTION TURISM INDUSTRY TTRADE CO. LTD.  
**ADRESS** : SAMSUN YOLU BULVARI BAYINDIR BARAJI KAVŞAĞI KARŞISI NO:653  
06270 KAYAŞ /ANKARA / TURKEY  
**PHONE** : +90 312 372 70 18-372 62 12  
**FAX** : +90 312 372 70 82  
**E-MAIL** : [export@naturelmuhendislik.com.tr](mailto:export@naturelmuhendislik.com.tr)  
**FORM WRITER** :

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**2-COMPOSITION DATA:**

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- POLYETHYLENE ( HDPE-LLDPE-LDPE ) 98 %
- CARBON BLACK CONTENT between 2 - 3%

**3- DANGER DESCRIPTION:**

There is no ingredient which may harm human, animal and environment in product content. During welding operation, protective gas mask must be used.

**4-FIRST AID PRECAUTIONS:**

During touch to product does not harm.

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During welding operation, protective gas mask must be used, evolved gasses must not be inhaled, and when gas poisoning indication is seen immediately to fresh aired places must be gone and applied to the nearest healthcare institution. 114 poison call center can be called.

#### 5-FIRE FIGHTING PRECAUTIONS:

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Materials are flammable but noncombustible. If the material becomes exposed to fire due to external factors during fire, it is interfered with water or other fire extinguishing equipment.

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#### 6-PRECAUTIONS AGAINST ACCIDENTALLY EXPANSION:

**Personal Precautions:** Use safety goggles, impervious gloves.

**Environmental Precautions:** Prevent dusts to accumulate in working area. It is important to reach wastewater collection channels.

**Cleaning methods:** The product is slider due to its shape. In case of pouring to floor it should be cleaned. The product can be disposed as waste.

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#### 7-USAGE AND STORAGE:

**Usage:** During usage appeal to a related project authority or look at the catalog.

**Storage:** Must be stored in sunless indoors, rolls must be stocked up at most 4 on the top of other, they should not be contacted with oil and dust.

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#### 8- EXPOSURE LIMITS- PERSONAL PROTECTIONS:

**Respiration protection:** Indoors, in unprotected places where local air conditioning is inappropriate, certainly appropriate respiration equipment correspondent with AS/NZS 1715/1716 use is recommended. Avoid from inhalation of vapor/fume.

**Hand protection:** Melted PE causes skin burns. It is appropriate to wear protective gloves.

**Eye protection:** : Smoke discharged from welding machine may cause eye irritation. Appropriate safety goggles or face shields must be used.

**Skin and body protection:** working clothes (long-sleeved shirt and pants must be used).

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#### 9-PHYSICAL AND CHEMICAL FEATURES:

<b>Appearance</b>	: Black
<b>Smell</b>	: No
<b>Water solubility</b>	: No
<b>Specific Gravity</b>	: 0,94 gr/cm <sup>3</sup>

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#### 10-STABILITY AND REACTION:

**Technical measures/protections** : Does not require any special precautions.

**To be avoided** : It is stable in recommended use and storage conditions. Keep way from hot objects and fire.

**To be avoided** : ---.

**Dangerous degradation** : As a result of physical degradation, deformation, laceration, color fading is observed.

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#### 11-INFORMATION RELATED TO POISONOUSNESS:

Does not include poisonous ingredient.

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#### 12-ECOLOGICAL INFORMATION:

During staying in water and soil, does not harm, since degradation in nature takes a long time, it should be assessed in recyclable waste group.

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#### 13-DISPOSAL:

The membrane is inert and does not present any special disposal problems.

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#### 14-INFORMATION RELATED TO TRANSPORTATION:

There is no need for specific precaution during transportation. However, that both Turkish road transportation rules and international transportation rules must be obeyed must not be forgotten.

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#### 15-CLASSIFICATION ACCORDING TO REGULATIONS:

Is not classified according to statute: 67/548/EEC (hazardous substances) and 1999/45/EC numbered EU directive.

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#### 16-OTHER INFORMATION:

There is no additional information.

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