

# Miracle Mesh HDPE - Kingfield Construction Products

## SAFETY DATA SHEET (SDS)

### I - COMPANY AND PRODUCT INFORMATION

**Product Name** Miracle Mesh HDPE  
**Manufacturer** Kingfield Construction Products, Inc.  
**Address** 530 North 3rd Street, Suite #230  
Minneapolis, Minnesota 55401 USA  
**Contact** +1 (612) 225-5167  
**Number E-Mail** info@kingfieldcp.com  
**Date** October, 2013

### II - INGREDIENT NAMES AND COMPOSITION

INGREDIENT	CAS NUMBER	PERCENT
Polyethylene	9002-88-4	>95%
Modifiers / Additive	NA	<5%

**DESCRIPTION:** High Density Polyethylene Netting  
**CHEMICAL FAMILY:** Polyethylene Copolymer

### III - PHYSICAL DATA

**BOILING POINT:** Not applicable  
**MELTING POINT:** 212°F to 275°F  
**VAPOR PRESSURE:** Not applicable  
**WATER SOLUBILITY:** Insoluble  
**SPECIFIC GRAVITY:** 0.88 to 0.96  
**PRODUCT APPEARANCE:** Solid plastic netting  
**PRODUCT ODOR:** Odorless

### IV – FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT: AUTOIGNITION:** >640°F – ASTM E 136  
**FIRE FIGHTING PROCEDURES:** >680°F  
Use foam, carbon dioxide, or water spray to fight fires involving this product.  
Use standard procedures for Class A fires.  
**UNUSUAL FIRE AND EXPLOSION HAZARD:** Fire may produce toxic gas and dense smoke

### V – REACTIVITY DATA

**DANGEROUS REACTIONS:** None identified  
**HAZARDOUS DECOMPOSITION:** Thermal decomposition can produce fumes that contain acetaldehyde, ketones, acrolein, acetone, acetic acid, formic acid, formaldehyde, and acrolein.  
**STABILITY:** Stable  
**INCOMPATIBILITY (Materials to Avoid):** Avoid strong oxidizing agents and free halogens.

### VI – HEALTH HAZARD DATA

**INHALATION:** Considered a non-respirable solid. No significant irritation expected other than the possible mechanical irritation at room temperature. Irritating vapors to respiratory system may for when product is processed at elevated temperatures. No significant irritation expected other than possible mechanical irritation at room temperature.  
**SKIN:** Skin contact with molten or heated product can cause serious burns. No significant irritation expected other than possible mechanical irritation at room temperature.  
**EYES:** Irritating vapors may form when product is processed at elevated temperatures.

## VII - EMERGENCY AND FIRST AID PROCEDURES

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INHALATION: If adverse effect occurs, remove person(s) to uncontaminated area. Get medical attention.  
SKIN: Wash exposed skin with soap and water. Obtain medical attention if skin is burned/blistered from molten material.  
EYES: Flush eyes with plenty of water if irritation occurs.

## VIII – PRECAUTIONS FOR SAFE HANDLING AND USE

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STORAGE REQUIREMENTS: No special requirements.  
SPILL OR LEAK: Contain and remove by mechanical means.  
WASTE DISPOSAL: Disposal must be in accordance with applicable federal, state or local regulations.

## IX – CONTROL MEASURES

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PEL (OSHA Permissible Exposure Limits): No OSHA PEL has been established for this product family.  
TLV (ACGIH Threshold Limit Value): No ACSIN TLV has been established for this product family.  
PROTECTIVE CLOTHING: None ordinarily required. However, use of protective gloves/clothing and safety glasses meet the specification of ANSI Standard Z87.1 is good industrial practice.  
RESPIRATORY PROTECTION: None ordinarily required. Adequate ventilation and/or engineering controls are required when product is heated in processing.

## X – SHIPPING AND LABEL DATA

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DOT SHIPPING NAME: Not hazardous by DOT regulations  
HAZARD CLASS: Non-hazardous

## XI – REGULATORY INFORMATION

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SARA TITLE III STATEMENT:  
SARA TITLE III SECTION 302  
EXTREMELY HAZARDOUS SUBSTANCES: None  
SARA TITLE III SECTION 313: This product does not contain toxic chemicals above the minimum levels as listed, which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act and 40 CFR part 372). This information must be included in all MSDSs that are copied and distributed for this material. Do not copy this Material Safety Data Sheet in part – You must copy, distribute and use the entire Material Safety Data Sheet.

## XII – OTHER INFORMATION

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Kingfield Construction Products believes the information contained in this MSDS to be accurate and correct based on information provided to Kingfield Construction Products by materials suppliers. This Material Safety Data Sheet supersedes any previously dated MSDS and contains the most accurate, up-to-date information available. No Warranty of Merchantability, fitness for any particular purpose, or any other warranty, express or implied, is made as concerns the information herein provided. It is the responsibility of the user to determine the conditions of safe use for this product.