

## SAFETY DATA SHEET

with reference to OSHA Hazard Communication Standard (HCS)  
published in Federal Register 77 FR 17574 - March 2012

**Armacell Products**

**STATUS: 5/6/2014**

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### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

**PRODUCT NAME** Armaflex Shield:

**USE OF THE PRODUCT** This product is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200©, page 463.

"Article means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g. minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees."

**MANUFACTURER /DISTRIBUTOR** Armacell LLC  
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**EMERGENCY INFORMATION** Armacell LLC  
7600 Oakwood Street Extension  
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### 2. HAZARDS IDENTIFICATION

**HAZARD DESIGNATION** None

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**DESCRIPTION** Expanded, Closed-cell elastomeric foam Polyvinyl Chloride/ Nitrile-Butadiene Rubber (PVC/NBR) foam with metal cladding. Available in various pipe dimensions

- Nitrile-butadiene rubber and PVC (NBR/PVC)

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#### 4. FIRST-AID MEASURES

IN CASE OF INHALATION	Not applicable
IN CASE OF SKIN CONTACT	Not applicable
IN CASE OF EYE CONTACT	Not applicable
IN CASE OF INGESTION	Not applicable

#### 5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Unrestricted
SPECIAL EXPOSURE HAZARDS ARISING FROM THE PREPARATION	Fire gases, do not breathe. Emits toxic fumes under fire conditions because of incomplete incineration. In the case of fire wear self-contained breathing apparatus.

#### 6. ACCIDENTAL RELEASE MEASURE

PERSONAL PRECAUTIONS	Not applicable
ENVIRONMENTAL PRECAUTIONS	Not applicable
METHODS FOR CLEANING UP / TAKING UP	Take up mechanically.

#### 7. HANDLING AND STORAGE

HINTS FOR SAFE HANDLING	None
HINTS FOR PROTECTION AGAINST FIRE AND EXPLOSION	None
HINTS FOR SEPARATION OF INCOMPATIBLE PRODUCTS	None
FURTHER INFORMATION ON STORAGE CONDITIONS	Can be stored in clean, dry rooms under normal conditions with respect to humidity (50 - 70 %) and surrounding temperature of 32 °F – 95 °F (0 °C - 35 °C).

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

GENERAL HEALTH MEASURES	Not applicable
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RESPIRATORY PROTECTION	Not applicable
HAND PROTECTION	Not applicable
EYE PROTECTION	Not applicable

### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Preformed pipe insulation in various pipe sizes and wall thickness with metal cladding.
COLOR	White
ODOR	Characteristic
MELTING POINT	Not applicable
BOILING POINT	Not applicable
LOWER EXPLOSION LIMIT	Not applicable
UPPER EXPLOSION LIMIT	Not applicable
DENSITY AT 73 °F (23 °C)	2.5 – 6 lb./ ft <sup>3</sup> (40 – 96 kg./ m <sup>3</sup> )
WATER SOLUBILITY 73 °F (23 °C)	Insoluble

### 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	Avoid open flames.
HAZARDOUS REACTION	No dangerous reactions known.
HAZARDOUS DECOMPOSITION PRODUCTS	No decomposition if used as prescribed.

### 11. TOXICOLOGICAL INFORMATION

EXPERIENCE MADE IN PRACTICE	When used and handled according to specification, the product does not have any harmful effect according to our experience and knowledge.
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#### 12. ECOLOGICAL INFORMATION

ADDITIONAL ECOLOGICAL INFORMATION      The product is classified non-hazardous to waters.

#### 13. DISPOSAL CONSIDERATIONS

DISPOSAL PRODUCT      Dispose waste according to applicable local, state and federal regulations.

#### 14. TRANSPORT INFORMATION

No hazardous material as defined by the transport regulations (ADR/RID, IMDG-Code, ICAO-TI/IATA-DGR).

#### 15. REGULATORY INFORMATION

This product does not require labelling in terms of REACH regulation (EC) 1907/2006

#### 16. OTHER INFORMATION

The data in this safety data sheet describe the safety requirements of our product based on our current level of knowledge and may not be considered to guarantee any product properties and it is sufficient for **United Nations' Globally Harmonized System of Classification and Labeling of Chemicals (GHS) standard**. However, we have no knowledge of or control over the working conditions. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.