

SAFETY DATA SHEET

with reference to OSHA Hazard Communication Standard (HCS 29 CFR 1910.1200)

published in Federal Register 77 FR 17574 - March 2012

Armacell Products

revised 30JUN21, replaces version 28AUG19

STATUS: 30JUN21

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

PRODUCT NAMEMonarch[®]Cellular & Non-expanded
Rubber Products, Sheets
& Blocks**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 / DISTRIBUTORArmacell LLC
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2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

None

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3. COMPOSITION / INFORMATION ON INGREDIENTS

DESCRIPTION

Expanded, closed-cell foams containing Polyvinyl Chloride/ Nitrile-Butadiene Rubber (PVC/NBR) or Nitrile-Butadiene Rubber (NBR) or Epichlorohydrin (ECH) or Neoprene (CR) or Ethylene-propylene-dienemethylene (EPDM) or Ethylene Vinyl Acetate / Polyethylene (EVA/PE) or Polyethylene (PE) or Styrene-butadiene rubber (SBR) or blends of aforementioned compounds. Available in blocks & sheets in various dimensions. Custom non-expanded synthetic rubber (example: Cork) are also included in the scope of this document.

Compound	CAS No.
Ethylene-propylene-dienemethylene (EPDM)	25034-71-3
Neoprene (CR)	9010-98-4
Nitrile-butadiene rubber (NBR)	9005-98-5
Polyvinyl Chloride (PVC)	9002-86-2
Epichlorohydrin (ECH)	106-89-8
Polyethylene (PE)	9002-88-4
Ethylene Vinyl Acetate (EVA)	24937-78-8

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

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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

RESPIRATORY PROTECTION Not applicable

HAND PROTECTION Not applicable

EYE PROTECTION Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Sheets and blocks

COLOR Black, dark gray, gray, natural, white and other colors

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 - 25 lb./ ft³ (32 - 400 kg./ m³)

WATER SOLUBILITY AT
73 °F (23 °C) Insoluble

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID Avoid open flames.

HAZARDOUS REACTION No dangerous reactions known.

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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.

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

REACH Excluding the additional restrictions placed on products intended for use in child toy or child care applications, no chemicals or substances listed in REACH (EC No. 1907/2006), including Annex XIV, Annex XVII, and the SVHC list, are intentionally utilized with the intent of substance release under normal end use applications in the formulation process of the Armacell (Monarch®) product line manufactured in Spencer, WV.

Child Toy or Child Care Applications: Annex XVII includes additional entries with specific substance restrictions on materials intended for use in children articles.

ROHS Armacell (Monarch®) brand products contain no more than the allowed amounts (either less than 100 or 1000 ppm depending on substance) of the listed hazardous substances.

ADDITIONAL INFORMATION For additional regulatory information, contact a Component Foam Division Technical Manager.

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.