



SAFETY DATA SHEET

For Durafoam™, Airaflex™, Duraflex™ and Bondaflex™ products per Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)), 2012 Revision

Section 1: Identification

Product identifier: This document covers all closed cell sponge rubber, solid rubber, and bonded recycled material manufactured by Monmouth Rubber & Plastics Corp. under the trade names Durafoam™, Airaflex™, Duraflex™ and Bondaflex™. These materials are made from polymeric mixes including but not limited to Neoprene, Nitrile, PVC, EPDM, Chlorinated Polyethylene, Styrene-Butadiene, ECH (Epichlorohydrin), Polyethylene, EVA.

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Recommended use: Durafoam™, Airaflex™, Duraflex™ and Bondaflex™ materials are used in a variety of industries included but not limited to automotive, construction and the shoe industry. Our products are manufactured per specific industry specifications e.g. ASTM D1056, ASTM D6576

These products are classified as “article” according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200, Page 463. *“Article”: 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.”*

Restrictions on Use: Durafoam™, Airaflex™, Duraflex™ and Bondaflex™ should be used in accordance with responsible and safe industry standards. Specifically as it relates to Monmouth’s TDS (Technical Data Sheets).

Section 2: Hazard(s) Identification

Durafoam™, Airaflex™, Duraflex™ and Bondaflex™ represent NO HAZARDS when used in accordance with this document and published TDS (Technical Data Sheets). They can be considered as “articles” per Title 29 CFR 1910.1200 which says:

“Article”: 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.”

Section 3: Composition/Information on Ingredients

Durafoam™, Airaflex™, Duraflex™ and Bondaflex™ are made from polymeric blends and/or individual polymers including but not limited to:

Neoprene (CAS No. 9010-98-4), Nitrile (Cas No. 9003-18-3), PVC (Cas No. 9002-86-2), EPDM (Cas No. 25038-36-2), Chlorinated Polyethylene (Cas No. 63231-66-3), Styrene-Butadiene (Cas No. 9003-55-8), ECH (Epichlorohydrin) (Cas No. 106-89-8), Polyethylene (Cas No. 9002-88-4), EVA (Cas No. 24937-78-8).

Section 4: First-Aid Measures

Inhalation Not Applicable

Ingestion

The ingestion of Durafoam™, Airaflex™, Duraflex™ and Bondaflex™ should be avoided even though the material is inert and can be regarded as toxicologically harmless except for some flame retardant grades containing additives which could be harmful if swallowed. **Physical Contact** Durafoam™, Airaflex™, Duraflex™ and Bondaflex™ are considered not to be skin irritants but under some circumstances foams can have a minor abrasive effect on skin. Particles of foam may cause physical irritation if they get into eyes.

Section 5: Fire-Fighting Measures

Decomposition of Durafoam™, Airaflex™, Duraflex™ and Bondaflex™ will occur at about 300° C. Above this temperature Durafoam, Duraflex, and Bondaflex will pyrolyse oxidatively to produce Carbon Monoxide and water plus small amounts of various hydrocarbons and aldehydes. The evolved gases may ignite, and if they do they will provide heat of combustion pyrolysing more foam and any other material in the vicinity. Under flaming conditions the main combustion products are Carbon Dioxide and water, although if insufficient oxygen is present, or when the flame is extinguished, the smoke may contain appreciable quantities of Carbon Monoxide, Acrolein and other aldehydes. For some products within Duraflex™ and Bondaflex™ family of products burning can be accompanied by the release of flaming molten droplets of polymer which could ignite adjacent flammable materials. In a full- scale fire these materials can burn to give dense black smoke and acrid fumes. These comments can only be of a general nature since the conditions of a real fire cannot be fully predicted.

Suitable Extinguishing Media: Unrestricted

Section 6: Accidental Release Measures

Our materials are solid in nature. Residual cuttings of the material should be collected with normal clean up procedures. Disposal should be done in accordance with any applicable federal, state, or local ordinances with regard to polymeric waste.

Personal precautions: Not Applicable

Section 7: Handling and Storage

Storage temperature: Ideal conditions: ambient temperature.

Storage conditions: Can be stored in clean, dry rooms under normal conditions with respect to humidity (50-70%) and surrounding temperature of 32 °F to 95 °F (0 °C – 35 °C)

Section 8: Exposure Controls/Personal Protection

OSHA Permissible Exposure Limits: Not Applicable

Threshold Limit Values: Not Applicable

Engineering Controls: When working in confined areas fans are recommended when material is processed.

PPE: Gloves with good grip and proper safety glasses are recommended as determined by the fabrication.

Section 9: Physical and Chemical Properties

Monmouth Rubber & Plastics Corp. recommends the customer request a specific TDS (Technical Data Sheet) in addition to the information in this document.

Appearance: Buns (blocks), Rolls, Sheets and tape in black and a variety of other colors.

Solubility in H₂O: Insoluble

Boiling Point: Not Applicable

Vapor Pressure: Not Applicable

Evaporation Rate: Not Applicable

Vapor Density: Not Applicable

Section 10: Stability and Reactivity

Conditions to avoid: Avoid open flames.

Hazardous reaction: No dangerous reactions known at normal operating temperatures.

Hazardous decomposition products: No decomposition if used as prescribed. Refer to details in section 5.

Section 11: Toxicological Information

When used in accordance with Monmouth's TDS (Technical Data Sheets) and generally accepted industry standards the product is not harmful nor does it produce any known harmful effect.

Section 13: Disposal Considerations

Should be done in accordance with any applicable federal, state, or local ordinances with regard to polymeric waste.

Section 16: Other Information

Date of preparation/review of this SDS: 6/26/2015 - Rev. 1, 6/22/2018 - Rev. 2, 6/10/2021 - Rev.3 – 9/8/22 – Rev. 4. All previous Safety Data Sheets regarding Monmouth Rubber & Plastics Corp. are superseded by this document.

Document prepared with reference to OSHA Hazard Communication Standard (HCS) published in Federal Register 77: 17574-17896 Dated 03/26/2012

Monmouth Rubber & Plastics Corp. makes no representation or warranty with respect to the information in this Material Safety Data Sheet. The information is however, as of this date provided, true and accurate to the best of Monmouth's knowledge. This list of information is not intended to be all inclusive. Actual conditions of use and handling may require considerations of information other than, or in addition to, that which is provided herein.

Monmouth Rubber & Plastics Corp. will supply free of charge samples for customer evaluation and confirmation that this product is suitable for use.