

SAFETY DATA SHEET

Neoprene Expansion Joint | Polymeric Foam and Rubber Article | OSHA HCS 16-section format

SECTION 1 - IDENTIFICATION

Product name	Neoprene Expansion Joint
Products covered	Durafoam™, Airaflex™, Duraflex™, and Bondaflex™
Material description	Closed-cell sponge rubber, solid rubber, and bonded recycled material made from polymeric mixes including, but not limited to, Neoprene, Nitrile, PVC, EPDM, Chlorinated Polyethylene, Styrene-Butadiene, ECH (Epichlorohydrin), Polyethylene, and EVA.
Supplier	3GEN Masonry Products, Inc. 8620 Spruiell Street, Leeds, Alabama 35094 USA 1-800-556-5785 www.3genmp.com
Recommended use	Used in industries including automotive, construction, and footwear. Products are manufactured to industry specifications including ASTM D1056 and ASTM D6576.
Restrictions on use	Use in accordance with responsible and safe industry standards and the applicable Technical Data Sheets.

These products are classified as articles under 29 CFR 1910.1200: manufactured items formed to a specific shape or design, whose end-use function depends on that shape or design, and which under normal use do not release more than very small quantities of a hazardous chemical or pose a physical or health risk.

SECTION 2 - HAZARD(S) IDENTIFICATION

Durafoam™, Airaflex™, Duraflex™, and Bondaflex™ represent no hazards when used in accordance with this SDS and the published Technical Data Sheets. They are considered articles under 29 CFR 1910.1200.

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, Nitrile, PVC, EPDM, Chlorinated Polyethylene, Styrene-Butadiene, ECH (Epichlorohydrin), Polyethylene, and EVA.

SECTION 4 - FIRST-AID MEASURES

Inhalation	Not applicable
Ingestion	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 that 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 enter the eyes.

SECTION 5 - FIRE-FIGHTING MEASURES

Decomposition of Durafoam™, Airaflex™, Duraflex™, and Bondaflex™ will occur at about 300 C. Above this temperature the materials may pyrolyze oxidatively to produce carbon monoxide and water, plus small amounts of various hydrocarbons and aldehydes. The evolved gases may ignite and provide heat that pyrolyzes additional foam and nearby material.

Under flaming conditions, the main combustion products are carbon dioxide and water. If insufficient oxygen is present, or when flame is extinguished, smoke may contain appreciable carbon monoxide, acrolein, and other aldehydes. Some Duraflex™ and Bondaflex™ products may release flaming molten droplets capable of igniting adjacent materials. In a full-scale fire, these materials can produce dense black smoke and acrid fumes. Actual fire conditions cannot be fully predicted.

Suitable extinguishing media	Unrestricted
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SECTION 6 - ACCIDENTAL RELEASE MEASURES

The materials are solid. Collect residual cuttings using normal cleanup procedures. Dispose in accordance with applicable federal, state, or local ordinances governing polymeric waste.

Personal precautions	Not applicable
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SECTION 7 - HANDLING AND STORAGE

Storage temperature	Ideal conditions: ambient temperature
Storage conditions	Store in clean, dry rooms under normal humidity of 50-70% and at 32 F to 95 F (0 C to 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 process.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

The material manufacturer recommends requesting the specific Technical Data Sheet in addition to this SDS.

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 reactions	No dangerous reactions known at normal operating temperatures.
Hazardous decomposition products	No decomposition if used as prescribed. Refer to Section 5.

SECTION 11 - TOXICOLOGICAL INFORMATION

When used in accordance with the manufacturer's Technical Data Sheets and generally accepted industry standards, the product is not harmful and does not produce any known harmful effect.

SECTION 12 - ECOLOGICAL INFORMATION

No ecological information was provided in the source SDS. The product is a solid article under normal conditions of use.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable federal, state, or local ordinances governing polymeric waste.

SECTION 14 - TRANSPORT INFORMATION

No transport information was provided in the source SDS. The product is supplied as a solid article.

SECTION 15 - REGULATORY INFORMATION

The product is considered an article under OSHA 29 CFR 1910.1200 when used under normal conditions. No additional regulatory information was provided in the source SDS.

SECTION 16 - OTHER INFORMATION

Source SDS preparation	26 June 2015 - Revision 1
Source SDS revision	22 June 2018 - Revision 2
3GEN reformatting revision	3 September 2026
Document control	3GEN-SDS-NEOPRENEEJ-001, Version 1.0

This Safety Data Sheet was prepared with reference to the OSHA Hazard Communication Standard published in Federal Register 77:17574-17896, dated 26 March 2012.

The information presented is considered true and accurate as of the revision date but is not all-inclusive. Actual use and handling conditions may require additional considerations. Users should evaluate the product for suitability in their intended application.

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