

1,3-BUTADIENE



Building Block Chemical with Critical Uses

in Health and Medical Care Applications

Health and Medical Care Applications

1,3-Butadiene is a chemical “building block” essential in the production of polymers that have critical uses in health and medical care applications.

1,3-Butadiene, Styrene-Butadiene Rubber, SBR

SBR is used to make drug and hospital sheeting and is useful to protect hospital beds/exam tables/surgical tables. Drug sheeting or rubber sheeting protects surfaces and individuals during the administration of drugs.

1,3-Butadiene, Solid nitrile Butadiene Rubber (NBR) and NBR Latex

These butadiene polymers are used to make nitrile exam and latex gloves that can be non-allergenic and can provide resistance to lubricants so that they maintain their integrity.

1,3-BD, ABS Resins, Polychloropene (neoprene), Nylon resins, Polychloropene (neoprene)

The function of the butadiene is to give these polymers the flexibility, stretchiness and abrasion resistance that permits them to form seals in gaskets used in pharmaceutical drug delivery devices such as asthma inhalers. These polymers are used in medical equipment/ parts/devices.

1,3-BD, ABS Resins,
Polychloropene (neoprene),
Nylon resins,
Polychloropene (neoprene)

Orthopedic
braces

Fluid Dispensing
Tubing

1,3-Butadiene, Nylon Resins

Catheter
Shafts/Tubing

Ventilator
Parts/Valves

Balloon Tubing

Feeding Tubes

Dialysis Tubing

1,3-Butadiene,
High styrene-content
SBC resins (HS-SBC)

Medical
Masks

Wheelchair
positioning
harnesses

Inhalers/
Inhaler
Housing

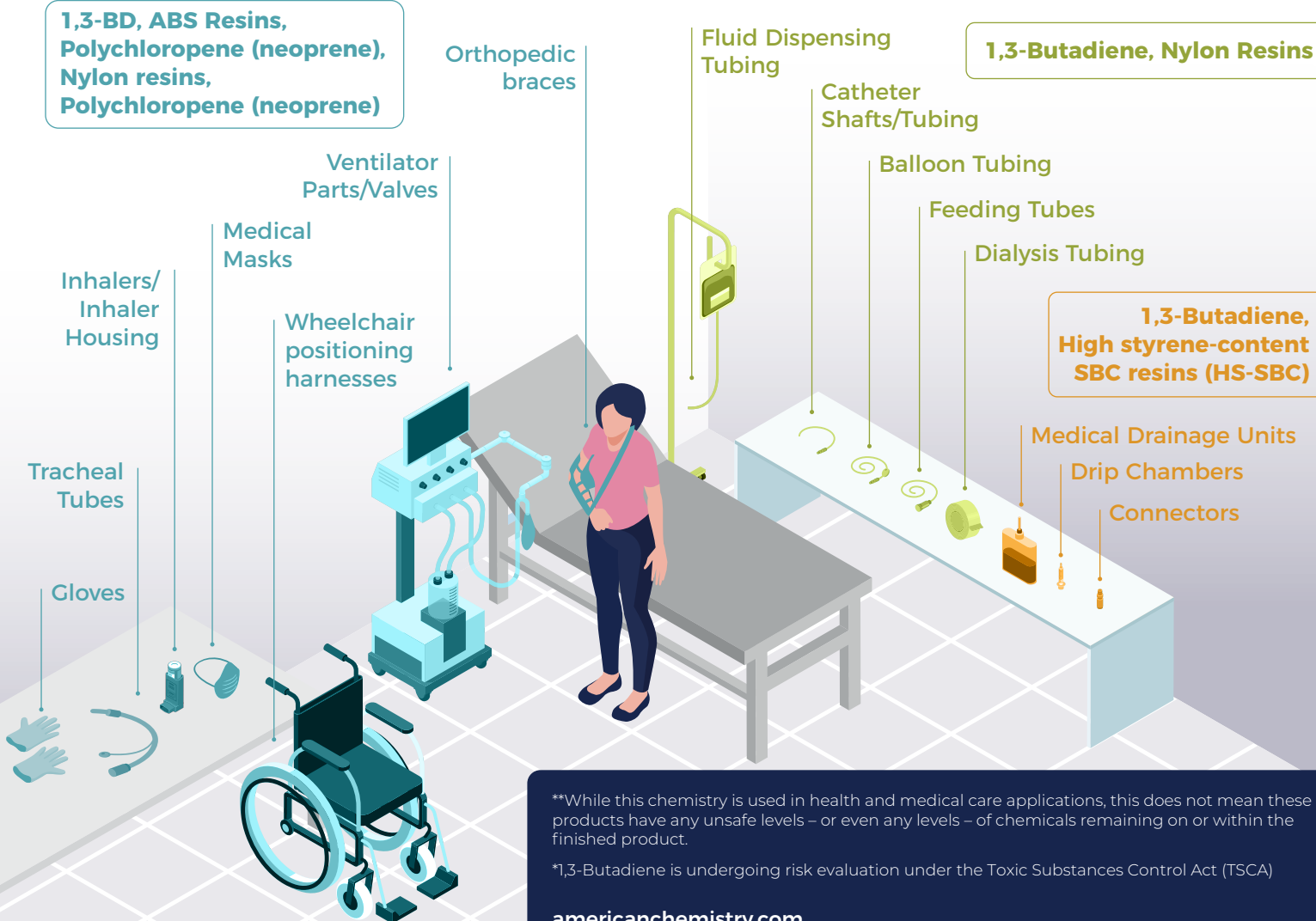
Medical Drainage Units

Drip Chambers

Connectors

Tracheal
Tubes

Gloves



**While this chemistry is used in health and medical care applications, this does not mean these products have any unsafe levels – or even any levels – of chemicals remaining on or within the finished product.

*1,3-Butadiene is undergoing risk evaluation under the Toxic Substances Control Act (TSCA)