

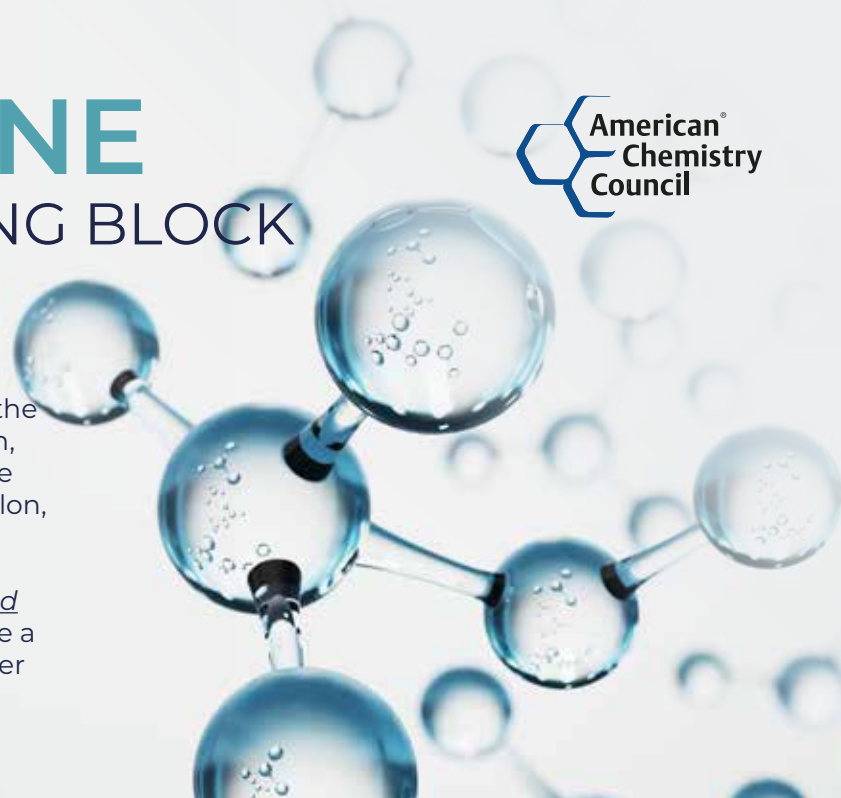
1,3-BUTADIENE

AN ESSENTIAL BUILDING BLOCK



What is 1,3-Butadiene?

1,3-Butadiene is a building block chemical used in the manufacture of a variety of synthetic rubbers, nylon, and plastics. Polymers made from 1,3-butadiene are used in making everyday products such as tires, nylon, car parts, carpet backing, plastic gloves, neoprene, food packaging, rubber hoses, gaskets, and many more. Because 1,3-butadiene is reacted/polymerized in the process and often further processed to create a wide range of end goods, the potential for consumer exposure to 1,3-butadiene is very low.




What are the Critical Uses of 1,3- Butadiene?

1,3-Butadiene is used and often fully consumed in making many essential products, including those critical to national security and critical infrastructure. The following are examples of key industries and applications that our economy and national priorities rely on:

 **Infrastructure/Building & Construction**
Pipes, carpet backing, flooring, highways & bridges

 **Electronics**
Wire and cable, computers, telecommunications equipment

 **Defense**
Uniforms, helmets, ammunition, military fuel tanks

 **Industrial Machinery**
Hoses & tubing, conveyor belts

 **Homes & Consumer Goods**
Home appliances, toys

 **Healthcare**
Medical gloves, medical equipment

 **Transportation**
Tires, EVs, airbags

 **Agriculture**
Crop protection

Why Should Policymakers Be Concerned About 1,3-Butadiene?

1,3-Butadiene is undergoing risk evaluation under the Toxic Substances Control Act (TSCA). TSCA requires that risk evaluations be based on the best available science and the weight of the evidence. A significant amount of scientific information on 1,3-butadiene has been developed in the last 20 years.

- The IRIS Assessment for 1,3-butadiene is outdated and scientifically unsound.
- EPA must consider and incorporate new information and consult and collaborate with interagency partners to develop a risk evaluation that meets TSCA's scientific standards.
- Overly conservative regulation of 1,3-Butadiene could impact many essential uses, including uses critical to national security and critical infrastructure.



Is 1,3-Butadiene regulated?

1,3-Butadiene is already extensively regulated to protect human health and the environment. Requirements codified by OSHA, EPA, state environmental agencies, and other regulatory bodies support the safe production, storage, handling, and use of this important building block chemical.