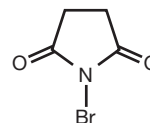


Description

N-Bromosuccinimide is a white to slightly yellow powder that is sensitive to light and water.



Synonym: 1-Bromo-2,5-pyrrolidinedione (NBS)

Chemical formula: C₄H₄BrNO₂

Molecular weight: 177.99

Applications

N-Bromosuccinimide is a source of free-radical or positive bromine, used primarily in the bromination of organic substrates. A major use is in the bromination of allylic or benzylic positions in the substrate. Other potential uses are bromination of activated benzene rings, cleavage of benzyl ethers and esters, conversion of alcohols to alkyl bromides, and oxidation of certain reactive substrates.

Specifications

Appearance, visual	crystalline powder
Assay, iodometry, wt %	≥ 99.0
Color, spectrophotometry, APHA	≤ 40
Volatiles, wt %	≤ 0.5
Sulfated ash, mg/Kg	≤ 500
Stability, colorimetry	pass
Iron, colorimetry, mg/Kg	≤ 20

Physical Properties

Appearance	crystalline powder
Melting point, °C (°F)	180 (356)

Shipping Information

Container Information

Available in 30 Kg high-density polyethylene, plastic drums.
Shipped 9 drums per pallet.

Shipping Classification

Proper shipping name: corrosive solids, n.o.s. (*N*-Bromosuccinimide)
Hazard classification: 8
ID number: UN3261 PG III
Placard: corrosive
Label: corrosive

Safety and Handling Information

For specific safety and handling information please refer to the material safety data sheet, which is available upon request.

Chemical Registration Numbers

CAS: 128-08-5
EINECS: 204-877-2
TSCA: Listed
BRN: 113916

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any information contained herein, including information about any health or safety hazards, only as a guide, and should take those precautions that are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein described materials or processes in violation of existing or future patents.



AMERICAS 451 Florida Street • Baton Rouge, Louisiana 70801-1765 • Tel: 225-388-7402 or 800-535-3030 • Fax: 225-388-7848 **EUROPE** Parc Scientifique de LLN • Rue du Bosquet 9 • B-1348 Louvain-la-Neuve Sud, Belgium • Tel: 32-10-48-1711 • Fax: 32-10-48-1717 **ASIA PACIFIC** 111 Somerset Road #13-03 Singapore Power Building • Singapore 238164 • Tel: 65-6732-6286 • Fax: 65-6737-4155 **ASIA PACIFIC** 16th Floor, Fukoku Seimei Building • 2-2-2, Uchisaiwai-cho • Chiyoda-ku, Tokyo 100-0011, Japan • Tel: 81-3-5251-0796 • Fax: 81-3-3500-5623 **ASIA PACIFIC** China World Tower, Room 1317 • No. 1 Jian Guo Men Wai Avenue • Beijing 100004 China • Tel: 86-10-6505-4153 or 86-10-6505-4154 • Fax: 86-10-6505-4150