

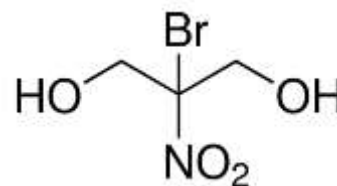


Product Specification

cdhfinechemical.com

2-BROMO-2-NITRO-1,3-PROPANEDIOL (BRONOPOL)

PRODUCT CODE	030925
SYNONYMS	Bronopol.
C.I. NO.	--
CASR NO.	(52-51-7)
ATOMIC OR MOLECULAR FORMULA	C ₃ H ₆ BrNO ₄
ATOMIC OR MOLECULAR WEIGHT	199.99
PROPERTIES	--



PARAMETER LIMIT

Description	White to light yellow crystals or crystalline powder.
Solubility	Freely soluble in water and in alcohol.
Minimum assay (Argentometric)	99.0 – 101%
Melting point	About 130°C
pH of (1% solution in water)	5 – 7

MAXIMUM LIMIT OF IMPURITIES

Sulphated ash	0.1%
Water	0.5%

Note(s) : Assay (if applicable) method mentioned.

DANGER

Hazard statements: May cause respiratory irritation. Flammable solid. Solid desensitized explosives: low hazard. Toxic if swallowed. Harmful in contact with skin. Causes skin irritation. May cause allergic skin reaction. May damage the unborn child. Causes serious eye damage. Very toxic to aquatic life.

Precautionary statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Contaminated clothing should not be allowed out of the workplace. Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing. Keep away from heat/sparks/open flame - No smoking. Wear protective gloves and eye/face protection. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Use explosionproof electrical/ventilating/lighting/equipment.

Response: IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse. If exposed or concerned: Get medical attention advice. If eye irritation persists, get medical advice/attention. If skin irritation or rash occurs, seek medical advice/attention. If skin irritation occurs, seek medical advice/attention. Wear eye/face protection. Call a POISON CENTER or doctor/physician if you feel unwell. Remove/Take off immediately all contaminated clothing IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. Wash/Decontaminate removed clothing before reuse.

Disposal: Dispose of contents and container in accordance with relevant legislation.

IMDG Code : 4.1/III
UN No. : 3241
IATA : 4.1

Hazard Pictogram(s) :



GHS01



GHS02



GHS05



GHS06



GHS08

Replace Date 12-Sep-2026