

Label Information

The Spectrum label presents technical and safety information in an easily understood format. Our technical specialists stay abreast of the latest requirements of the Globally Harmonized System for Classification and Labelling of Chemicals (GHS), as well as the Occupational Safety and Health Administration (OSHA), the Food and Drug Administration (FDA) and other government regulatory agencies in order to ensure compliance, accuracy and concise hazard communication.

WARNING
 • Causes serious eye irritation • Causes skin irritation.
 • Wear protective gloves, eye protection, face protection • Wash face, hands and any exposed skin thoroughly after handling.
FIRST AID: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention.
KEEP FROM CHILDREN
WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Tris(hydroxymethyl)-aminomethane
 (Trometamol; Tromethamine)
 USP, EP, BP,
 bioCERTIFIED™
 CAS 77-86-1

CAUTION: For manufacturing, processing or repacking. Further processing and testing required for use in parenteral applications. Read and understand the label and Safety Data Sheet (SDS) prior to use.

Chemical Emergency: (800)424-9300
 www.SpectrumChemical.com

Technical Specifications Panel (K):
 $C_4H_{11}NO_3$ F.W. 121.14
 Not sterile.
 Appearance White or almost white, crystalline powder or colorless crystals
 Identification A (USP; ID C, EP) To pass test
 Identification B (USP) To pass test
 Identification C (USP) To pass test
 Identification D (EP) To pass test
 Appearance of Solution (EP) Clear and colorless
 Assay by Titration (Dried Basis, USP, EP) 99.0-100.5%
 Melting Range (USP; ID B, EP) 168-172°C
 pH of a 5% Solution @ 25°C (USP, EP) 10.0-11.5

MAXIMUM LIMITS
 APHA Color, 20% Aqueous Solution 20
 Ultraviolet Absorbance (10% Aqueous Solution vs. Water):
 λ.(nm) 430 280 260
 Limit 0.004 0.02
 Ultraviolet Absorbance (40% Aqueous Solution vs. Water):
 λ.(nm) 290
 Limit 0.2
 Loss on Drying (USP, EP) 0.5%
 Residue on Ignition (USP, EP) 0.1%
 Chlorides (EP) 100 ppm
 Iron (EP) 5 ppm
 Water 0.2%
 Water Insoluble Matter 0.005%
 Related Substances (EP) To pass test
 Endotoxin 0.03 EU/mg
 Bioburden 100 CFU/g
 Elemental Impurities As reported
 Residual Solvents To pass test

HYGROSCOPIC: Keep tightly closed.
 G 5/K4GHS A Lot No. 062233

SPECTRUM CHEMICAL MFG. CORP. Gardena, CA 90248 • New Brunswick, NJ 08901

- A** Bar Code
- B** GHS Hazard Pictograms
- C** Warning, Safety Data and Precautionary Information
- D** Product Catalog Number
- E** Item Name, Form, Grade
- F** Size/Quantity
- G** Chemical Abstracts Service (CAS) Registry Number
- H** Caution Information
- I** DOT Shipping Information
- J** Toll-Free 24-Hour Chemical Emergency Telephone Number
- K** Empirical Formula, Formula Weight and Technical Specifications Panel
- L** Expiration Information
- M** Lot Number
- N** Kosher Certified by Kosher Supervision of America (KSA).
- O** Storage Color Band
- P** Halal Certified by IFANCA
- Q** bioCertified

This color-coded band indicates the hazard most likely to be posed by that material under storage conditions. The criteria used to assign band colors have been established by the Storage Code working group of the Society for Chemical Hazard Communication (SCHC). It is recommended that like colors be stored together, unless otherwise stated, based on the color codes indicated to the right. However, it is the responsibility of the customer to check with their local fire department for possible conflicts with our recommendations when storing hazardous chemicals.

- **YELLOW:** Oxidizer
- **RED:** Flammable
- **GREEN:** General Storage
- **BLUE:** Health Hazard
- WHITE:** Corrosive

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