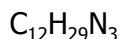


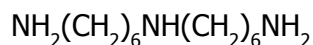
## DYTEK<sup>®</sup> Bis(hexamethylene)triamine - High Purity (BHMT-HP)

Bis(hexamethylene)triamine - High Purity



### Product Description

DYTEK<sup>®</sup> Bis(hexamethylene)triamine – High Purity (BHMT-HP) is a solid aliphatic triamine that provides unique properties when used in a variety of amine applications including polyamides and epoxies.



### Applications

- Cationic emulsifiers
- Cationic collectors for ore flocculation
- Chelating agent
- Corrosion and scale inhibitors
- Epoxy curing agent
- Flocculating agents
- Polyurethane extender or catalyst
- Polyamide resins for
  - Adhesives
  - Films
  - Inks
  - Plastics
  - Wet strength paper resins

### Typical Composition, wt%

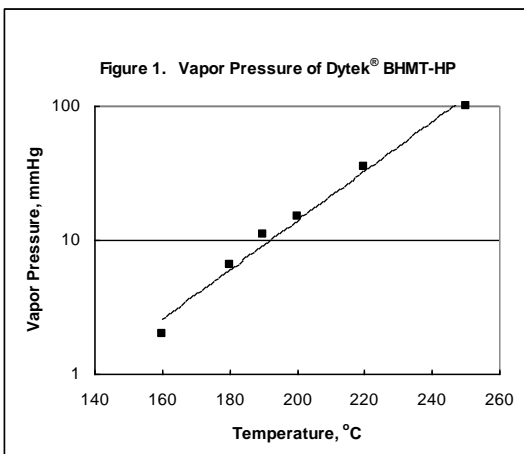
Bis(hexamethylene)triamine	98
Other amines and lactams	2

### General Information

CAS Number	143-23-7
Molecular Weight	215
Amine Value, mg KOH/g	760
Amine Equivalent Weight	72
H Equivalent Weight	43
Flash Point, °C (°F) (Open Cup)	121 (250)
Boiling Point, °C (°F), 4 mmHg	164 (327)
Vapor Pressure with Temperature	See <b>Figure 1</b>
Specific Gravity	0.88
Bulk Density, lb/gal	7.34
pH, 5% Aqueous Solution	12.6
Melting Point, °C (°F)	32–34 (90–93)
Viscosity with Temperature	See <b>Figure 2</b>

### Solubility, 25°C (77°F)

Solvent	wt% BHMT
2-Methyl-1,5-Pentanediamine (Dytek <sup>®</sup> A)	36
1,3-Pentanediamine (Dytek <sup>®</sup> EP)	32
1,2-Diaminocyclohexane (DCH-99)	27
Water	33



## Shipping

DOT/IMO Proper Shipping Name:

Amines, Solid, Corrosive,  
N.O.S. (Bis-Hexamethylene Triamine)

Hazard Class:

8

UN Number:

3259

Packaging Group:

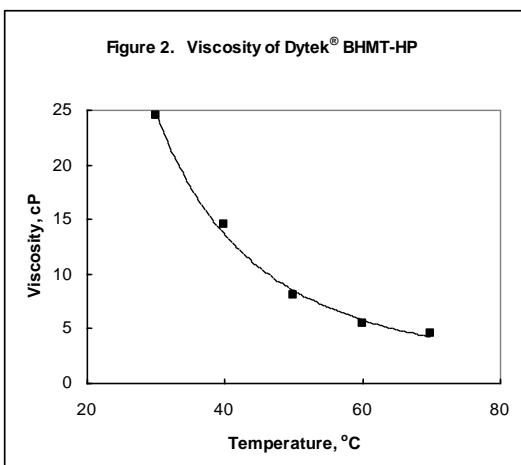
II

## Packaging

Steel Drums

**Net Weight (lbs/kg)**

400/181



## For Samples and Information:

INVISTA™ Specialty Intermediates • (800) 231-0998

[www.DYTEK.INVISTA.com](http://www.DYTEK.INVISTA.com)

This Product Data Sheet contains selected information about a specific INVISTA product, or group of products, and particular uses of the same. It relates only to the identified product and any identified uses, and is based on information available as of the date hereof. Additional information may be needed to evaluate other uses of the product, including use of the product in combination with any materials or in any processes other than those specifically referenced. Information provided herein with respect to any hazards that may be associated with the product is not meant to suggest that use of the product in a given application will necessarily result in any exposure or risk to workers or the general public. **THIS PRODUCT DATA SHEET DOES NOT CONTAIN A COMPLETE STATEMENT OF, AND DOES NOT CONSTITUTE A REPRESENTATION, WARRANTY OR GUARANTY WITH REGARD TO, A PRODUCT'S CHARACTERISTICS, USES, QUALITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR THE SUITABILITY, SAFETY, EFFICACY, HAZARDS OR HEALTH EFFECTS OF THE PRODUCT, WHETHER USED SINGULARLY OR IN COMBINATION WITH ANY OTHER PRODUCT, EXCEPT TO THE EXTENT REQUIRED BY THE RELEVANT LAW AND REGULATIONS.** Purchasers and users of the product are responsible for determining that the product is suitable for the intended use and that their workers and the general public are advised of any risks resulting from such use. Nothing contained in this Product Data Sheet shall be construed to modify any of the commercial terms pursuant to which the product was sold by INVISTA including, but not limited to, terms and conditions addressing each party's respective rights and obligations with regard to warranties, remedies and indemnification.

If purchasers and users believe or have reason to believe that the Product Data Sheet or other information provided to them by INVISTA is inaccurate or in any way insufficient for any purpose, they should immediately notify INVISTA of the same, and of the basis for their belief (for example, studies, data, reports of incidents, etc.) so that INVISTA can determine whether modification or supplementation of the Product Data Sheet, or other measures, are appropriate. Failure of purchasers and users to timely provide such notice shall be deemed a waiver by purchasers and users of any and all claims, demands or causes of action, including causes of action based on an alleged failure to warn, for personal injury or damage to the environment or property arising from or attributable to the use of product.

This disclaimer shall be effective to the extent allowed by law. Should any provision be deemed to be ineffective or unenforceable, that provision shall be deemed severed from the disclaimer and the remaining provisions shall continue to have full force and effect.

INVISTA and DYTEK® amines, nitriles and boron products are registered trademarks of INVISTA. Copyright© 2012 INVISTA. All rights reserved.