



Synonyms

N-,N-Dimethylbenzylamine
BDMA

Physical & Chemical behaviour

Solubility

Solubility in water: 0.1 – 1 %

Reactivity

Stable under ordinary conditions of use and storage.

Ammonia, hydrogen cyanide, and oxides of carbon and nitrogen may be produced when heated to decomposition.

This product is incompatible with acidic materials such as nitric acid, sulphuric acid, hydrochloric acid, etc., leading to an exothermic reaction. Violent reactions can occur with strong oxidizing agents.

Never expose this liquid or its vapours to heat, flame, or ignition sources. Avoid contact with any acids or strong oxidizing agents.

Specifications

Property	Specification	Test method
BDMA	≥ 98.5%	14E341
Colour	≤ 100 APHA	14E344
H ₂ O	≤ 0.3 %	14E343

Packaging

Metal drums – 180 kg net., IBC's – 865 kg net.

Bulk

Chemical & Physical properties

Property	Value
CAS Nr.	103-83-3
EINECS Nr.	203-149-1
TSCA listed	
ENCS listed	
Form	Liquid
Colour	Colourless to light yellow
Odour	An odour of fish or ammonia
Boiling point (1013 hPa)	180 -183 °C
Density (20 °C)	0.92 g/ml
Flash point	57 °C
Ignition temperature	410 °C
Melting point	-75 °C
Molecular weight	135.21
Partition coefficient	1.8 (log Pow)
Vapour pressure (20 °C)	2.4 hPa
Volatiles by volume (%)	100

Applications

- Catalyst used in the production of polyurethane foams.
- Initiator in the production of epoxy resins.
- Accelerator for epoxy resins in laminates for electrical equipment.
- Sensitizer for the photopolymerisation of methacrylates.
- Catalyst for the UV-curing of styrene polyester products.
- Thermal post-cure catalyst for UV-cured epoxy adhesive cements.
- Catalyst for the polymerisation of glycolic acid lactide.
- Synthesis of quats.
- Intermediate in the synthesis of agrochemicals, pharmaceuticals and dyes.

Storage

Keep container tightly closed.

Store in a cool, dry, well-ventilated, flammable liquid storage area or cabinet.

Labeling

See Material Safety Data Sheet.

Transport regulations

See Material Safety Data Sheet.

Toxicology / Ecotoxicology

See Material Safety Data Sheet.

Characteristics

See Material Safety Data Sheet.

For further questions please contact our regional sales departments

For Europe, Middle-East and Africa

Taminco N.V.
Panterschip Str. 207
B-9000 GENT-BELGIUM
☎ +32(9)2541591
☎ +32(9)2541468
✉ sabine.ketsman@taminco.com

Taminco GmbH
Am Haupttor, Bau 8314
D-06237 LEUNA-GERMANY
☎ + 49(3461)434502
☎ + 49(3461)436444
✉ birgitt.martin@taminco.com

For the Americas

Taminco, Inc.
Lake park drive 1950
30080, Smyrna GA
USA
☎ +1-770-801-3215
☎ +1-770-801-3238
✉ john.kelly@taminco.com

For Asia-Pacific

Taminco Asia Pacific
Level 6, Menara Lien Hoe
Petaling Jaya
Selangor 47410
MALAYSIA
☎ +603-78613 173
☎ +603-78613 101
✉ irene@taminco.com

Taminco Choline Chloride (Shanghai) Co. Ltd.
Suite 1508 United Plaza
1468 Nanjing Xi Lu
Shanghai 200040
CHINA
☎ +8621-62470318
☎ +862162894459
✉ simon.han@taminco.com

October 2003

Technical Data sheet 51062/1003

Supersedes TDS 51062/0803
Printed in Belgium

Legal notice

The information contained in the present notice represents our best knowledge in this domain without constituting any express or implied guarantee or warranty of any kind and without resulting in any responsibility for TAMINCO N.V. whatsoever. TAMINCO N.V. declines all responsibility in cases where the use by the client of the information communicated constitutes a violation of an intellectual property right of which a third party is the holder. It is expressly provided that TAMINCO N.V. is the sole owner of the intellectual property rights relating to the information communicated.

It is expressly provided that the information relating to the use of the products is given for information purposes only. No guarantee is provided to the client that the product is adapted to the specific use for which it is intended by the client. The client should perform his own tests to determine the suitability for a particular purpose. Our only intention is to rapidly provide the user with information on the various application possibilities of our products, it being understood that the client should adapt the information to the specific conditions of their use and to the characteristics of other products with which they are mixed.