



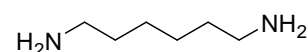
Rhodiumine™ HMD - Hexamethylenediamine 80% (Packaged)

Technical Data Sheet n°: **261RC030_08**
 Last Update: **25.06.2015**
 Commercial Product Code: 90012540

IDENTIFICATION

CAS N°: 124-09-4
 EINECS N°: 204-679-6
 SYNONYM: Diamino – 1.6 Hexane
 1-6 Hexamethylene Diamine
 EMPIRICAL FORMULA: $\text{NH}_2 - (\text{CH}_2)_6 - \text{NH}_2$
 MOLECULAR WEIGHT: 116.24

MOLECULAR FORMULA:



SPECIFICATIONS

Characteristics (1)	Unit	Limits	Analysis Methods
HMD concentration	% mass	79 – 81	251 CA 083
Iron	mg / kg	Max 1.0	251 CA 082
Calcium	mg / kg	Max 1.0	251 CA 086
Diaminocyclohexane (DCH)	mg / kg	Max 7	252 CA 080
Methylpentamethylenediamine (MPMD)	mg / kg	Max 10	252 CA 080
Aminométhylcyclopentylamine (AMCPA)	mg / kg	Max 36	252 CA 080

(1) These measurements appear in the Certificate of Analysis. Our analytical methods are available upon request.

PHYSICAL PROPERTIES

Appearance: Liquid above 13°C
Odour: Slight ammonia odour

Temperature characteristics:

- Crystallisation temperature, °C: 13
- Boiling (under 1013 hPa), °C: 120

Apparent density (at 20°C), kg/dm³: 0.914

Flammability characteristics:

- Auto-ignition temperature, °C: 390

Vapour pressure:

- at 40°C, hPa: 46
- at 60°C, hPa: 125

pH (aqueous solutions –1.25g/100ml): 12.1

Solubility :

- In water: Soluble in any proportion
- In methanol: Soluble in any proportion

USES

Textile Industry: production of nylon 6.6 salt (fibres and yarns)

Copolymers

Specialities

Engineering plastics: production of nylon 6.6 salt

PRODUCTION SITES

Saint-Fons (Belle Etoile), FRANCE

Visite our site: www.solvay.com



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For additional information, **please contact your Sales Representative.**

WARNING:

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding. This information must on no account be used as a substitutive for necessary prior tests which alone can ensure that a product is suitable for a given use. ANY WARRANTY OF PRODUCT PERFORMANCE, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY EXCLUDED. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of this document, and Solvay is at their disposal to supply any additional information.

GBU POLYAMIDE & INTERMEDIATES: ETOILE PART-DIEU, 190, AVENUE THIERS – 69457 LYON CEDEX 6 – FRANCE – PHONE : +33.4.37.24.88.88

COMPANY NAME: RHODIA OPERATIONS

REGISTERED OFFICE : 25 RUE DE CLICHY - 75009 PARIS CEDEX – FRANCE

Rhodia Operations SAS is a French “Société par actions simplifiée” with the capital of 695 897 850 euros. RCS Paris 622 037 083

VAT intracommunity : 41 622 037 083

PACKAGING & TRANSPORTATION

182 kg in 216.5 litres drums.
Intermediate Bulk Container (IBC) 1000 litres.

STORAGE & HANDLING

The safety data sheet is available upon request.

HEALTH & SAFETY / TRANSPORT REGULATIONS

The safety data sheet is available upon request.

QUALITY & E.H.S. CERTIFICATIONS

The Quality and Safety Health Environment Management Systems in place in our organizations are inspected and certified according to recognized standards.

Our production sites are also ISO 9001 & for some sites ISO 14001, ISO 50001, OSHAS 18001 as well. Certificates are available upon request.

SHELF LIFE

The shelf life of the product is 1 year from the date of production under appropriate conditions of storage.