



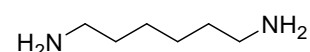
Rhodiamine™ HMD - Hexamethylenediamine 72%

Technical Data Sheet n°: **261RC035_08**
 Last Update: **25.06.2015**
 Commercial Product Code: 90054496

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	71 – 73	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
Odour: Slight ammonia odour

Temperature characteristics:

- Crystallisation temperature, °C: 3
- Boiling (under 1013 hPa), °C: 113

Apparent density (at 20°C), kg/dm³: 0.930

Flammability characteristics:

- Auto-ignition temperature, °C: 390

Vapour pressure:

- at 40°C, hPa: 53
- at 60°C, hPa: 144

pH (aqueous solutions – 1.67g/100ml): ... 12.1

Solubility :

- In water: 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 SITE

Saint-Fons (Belle Etoile), FRANCE

PACKAGING & TRANSPORTATION

185 kg in 216.5 litres drums.
Intermediate Bulk Container (IBC) 1000 litres.
Bulk (trucks or isocontainers).

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.

Visit our site: www.solvay.com



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WARNING:

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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