



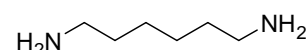
# Rhodiamine™ HMD - Hexamethylenediamine 60%

Technical Data Sheet n°: **261RC029\_09**  
 Last Update: **12.11.2015**  
 Commercial Product Code: 90054497

## 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	58 – 62	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: ..... -9  
- Boiling (under 1013 hPa), °C: ..... 107  
Apparent density (at 20°C), kg/dm<sup>3</sup>: ..... 0.945  
*Flammability characteristics:* .....  
- Auto-ignition temperature, °C: ..... 390  
*Vapour pressure:*  
- at 40°C, hPa: ..... 60  
- at 60°C, hPa: ..... 163  
pH (aqueous solutions – 1.67g/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 SITE

Saint-Fons (Belle Etoile), France

## PACKAGING & TRANSPORTATION

188 kg in 216.5 litres drums.  
Intermediate Bulk Container (IBC) 1000 litres.  
Tanker trucks

## 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.

Visite our site: [www.solvay.com](http://www.solvay.com)



**EMEA**  
Solvay  
190, avenue Thiers  
69457 Lyon cedex 06 - FRANCE



**NORTH AMERICA**  
Solvay USA Inc.  
8 Cedar brook drive  
Cranbury, NJ 08512 - USA



**LATIN AMERICA**  
Rhodia Poliamida e Especialidades Ltda.  
Centro Empresarial  
Al Maria Coelho Aguiar 215  
Bloco B 1° andar  
CEP 05804-902 Sao Paulo SP - BRAZIL



**ASIA**  
Solvay  
3966 Jin Du Road  
Xin Zhuang Industry Zone  
Min Hang District  
Shanghai 201108 - CHINA

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

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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