**PRODUCT NAME**

Hexamethylenediamine

**PRODUCT DESCRIPTION**

High purity Hexamethylenediamine used for the production of nylon 66 and for a wide range of applications: resins, paints/inks, adhesives, plastics, rubber, paper, water, lubricants, detergency.

Different grades of HMD are available from 60 to 100% of purity

**COMPOSITION HMD 100%**

Hexamethylenediamine (HMD) 100%  CAS-No 124-09-4

**APPEARANCE**

Liquid above 42°C

**TECHNICAL DATA HMD 100%**

- **Apparent density:** 0.84 g/cm³
- **pH:** 12.1 (aqueous solution 1g/100ml)
- **Melting Point:** 39-42°C
- **Boiling Temperature:** 204.5°C (under 1,013 hPA)
- **Solubility in water:** 770 g/l (at 20°C)

**MARKET / APPLICATIONS**

- Coatings
- Stabilizers
- Adhesives
- Paper (Wet Strength Resins)
- Water treatment
- Detergency
- Specialty Nylon (Nylon 6.6, Nylon 6.10, Nylon 6.12, PPA)
PRODUCT NAME
Diaminocyclohexane

PRODUCT DESCRIPTION
Mixture of aliphatic and cycloaliphatic diamines

COMPOSITION
- Cyclohex-1,2-ylenediamine (DCH) 60-85% CAS-No 694-83-7
- Hexamethylene diamine (HMD) 10-40% CAS-No 124-09-4

APPEARANCE
Yellow to light brown liquid at 20°C

TECHNICAL DATA
- Apparent density: 990 kg/m³ (at 20°C)
- pH: >14
- Boiling Temperature: 190°C (under 1,013 hPA)
- Solubility in water: Miscible (at 20°C)

MARKET / APPLICATIONS
- Epoxy Resins
- Oilfield
- Water Treatment
- Advanced Materials

France: Chalampé
Brazil: Paulinia
PRODUCT NAME
Bis-Hexamethylene Triamine

PRODUCT DESCRIPTION
Mixture of linear di- and tri- amines

COMPOSITION
7-Azatridecane-1,13-diamine (BHT)  34-82%  CAS-No 143-23-7
Hexamethylene diamine (HMD) <45%  CAS-No 124-09-4

APPEARANCE
Greenish liquid

TECHNICAL DATA
Apparent density: 890 kg/m³ (at 20°C)
Boiling Temperature: >220°C (under 1,013 hPa)
Solubility in water: Completely miscible from 0 to 80%

MARKET / APPLICATIONS
Advanced Materials
Water Treatment
Bitumen / Asphalt
Inhibitors
Oilfield

France: Chalampé
Brazil: Paulinia
PRODUCT NAME
Amine in aqueous solution

PRODUCT DESCRIPTION
Mixture of diamines and triamine mainly primary amines

COMPOSITION
7-Azatridecane-1,13-diamine (BHT) CAS-No 143-23-7
Cyclohex-1,2-ylenediamine (DCH) CAS-No 694-83-7
Hexamethylene diamine (HMD) CAS-No 124-09-4
Total amines >60%

APPEARANCE
Liquid with slight ammoniacal odour

TECHNICAL DATA:
Apparent density: 90 kg/m³ (at 20°C)
pH: 11.9
Boiling Temperature: 112°C

MARKET / APPLICATIONS
Oilfield
Bitumen / Asphalt