

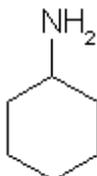
# Cyclohexylamine (CHA)

## Technical Data Sheet

July 2009

 **BASF**  
The Chemical Company

Formula .....  $C_6H_{13}N$   
Molecular Weight..... 99.2  
PRD Number ..... 30126992  
CAS Registry Number..... 108-91-8



Product Specifications	Value	Test Method
Assay, % minimum	99.5	STI 8492
Water, % maximum	0.30	STI 8474
Color, APHA maximum	15	STI 8415

Physical Properties	
Freezing point, °C .....	-18
Flash point, °C .....	27
Boiling range °C .....	133-134
Density @ 20°C, g/cm <sup>3</sup> .....	0.867
Ignition temperature °C .....	265

### Description

Cyclohexylamine (CHA) is a colorless to yellow liquid with an amine-like odor. It is miscible with water.

### Synonyms

CHA  
Cyclohexylamine  
Cyclohexyl amine  
1-Aminocyclohexane  
1-Cyclohexylamino  
Cyclohexylamin  
Hexahydroaniline

### Safety

CHA is flammable. It can be irritating to respiratory system and skin. There is risk of serious damage to eyes and it is harmful by inhalation. Wear protective clothing, gloves, and eye/face protection.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety.

### Applications

Intermediate used in the production of:

- Corrosion inhibitors
- Pharmaceuticals
- Rubber chemicals

### Packaging

This product is available in bulk and drums.

### Storage & Handling

CHA has a shelf life of 12 months and at a temperature below 27°C. It must be protected from fire, explosions, sources of ignition and electrostatic charges. Segregate from acids and acid forming substances. Ensure thorough ventilation of work and storage area.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal

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