



Chemical Name	Cyclohexylamine
Chemical Category (if applicable)	Amine
Synonyms	1-Aminocyclohexan, Aminohexahydrobenzol, Hexahydroanilin, and CHA
CAS Number	108-91-8
CAS Name	Cyclohexylamine
EC (EINECS) Number	203-629-0
Other identifier (Please specify)	

## Description

- Pure cyclohexylamine is a colorless to yellow liquid with a fishy odor. It is soluble in water (but less dense than water), ethanol, benzene, and ethyl acetate. Its liquid form and vapor are highly flammable, and as such care must be taken during storage and handling. More specifically cyclohexylamine may present a fire hazard when exposed to heat, flame, spark, or stronger oxidizers. When heated, cyclohexylamine may decompose and emit toxic fumes of nitrogen oxides.
- Cyclohexylamine is primarily used as an intermediate to produce other organic compounds such as insecticides, plasticizers, dry-cleaning soaps, rubber chemicals, dye stuff and gas absorbents, etc. It can also be used as a corrosion inhibitor in boiler feed water.
- Workplace exposures to Cyclohexylamine during its manufacture and use are expected to be minimal because exposures can be controlled with process enclosures, local exhaust ventilation, and personal protective equipment. Good manufacturing practices and industrial hygiene practices can and should be implemented to prevent or reduce exposure to Cyclohexylamine. Worksite safety programs should follow recommended exposure guidelines. Please see the Safety Data Sheet (SDS) for additional information.
- Cyclohexylamine has moderate skin sensitizing potential and is a weak methemoglobin inducer. It can cause second and third degree burns after brief exposures to the skin. In addition, it is corrosive to the skin, eyes, and respiratory tract, and inhalation of cyclohexylamine at high concentrations and/or for prolonged periods may cause damaging effects to human central nervous systems and cause pulmonary edema. At low concentrations, e.g., 4-10 ppm, no apparent effects on workers are observed. Furthermore, exposure to cyclohexylamine at high concentrations or for prolonged periods may cause permanent eye injuries although at low concentrations, transient visual effects (blue haze or halo vision) may occur.
- Occupational exposure to Cyclohexylamine has not been associated with carcinogenic effects in humans.
- There is, as of the date of this Summary, no evidence that cyclohexylamine is a reproductive or developmental toxin.

## Useful Resources

For more information about this product, [contact AdvanSix](#).

### Contact AdvanSix

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**+1-973-526-1800** (international)

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This product safety summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Safety Data Sheet which should be consulted before use of the chemical. The product safety summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.



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