

# 2-CHLOROANILINE

0129

October 2000

CAS No: 95-51-2

RTECS No: BX0525000

UN No: 2019

EC No: 612-010-00-8

2-Chloroaminobenzene

1-Amino-2-chlorobenzene

Fast yellow GC base

o-Chloroaniline

 $C_6H_6ClN$  /  $(C_6H_4)Cl(NH_2)$ 

Molecular mass: 127.6

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Combustible. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Powder. Foam. Carbon dioxide.
<b>EXPLOSION</b>			
<b>EXPOSURE</b>		<b>PREVENT GENERATION OF MISTS!</b>	
<b>Inhalation</b>	Blue lips or finger nails. Blue skin Dizziness. Headache. Shortness of breath. Nausea. Vomiting. Convulsions. Weakness. Confusion. Unconsciousness.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Artificial respiration may be needed. Refer for medical attention.
<b>Skin</b>	MAY BE ABSORBED! (Further see Inhalation).	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.
<b>Eyes</b>	Redness. Pain.	Safety goggles or face shield.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Ingestion</b>	Abdominal pain. (Further see Inhalation).	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Give one or two glasses of water to drink. Refer for medical attention.

**SPILLAGE DISPOSAL**

Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Do NOT let this chemical enter the environment. Chemical protection suit including self-contained breathing apparatus.

**PACKAGING & LABELLING**

**EU classification**  
T Symbol  
N Symbol  
R: 23/24/25-33-50/53  
S: (1/2-)28-36/37-45-60-61  
Note: C  
**UN classification**  
UN Hazard Class: 6.1  
UN Pack Group: II

Do not transport with food and feedstuffs.

**EMERGENCY RESPONSE**

Transport Emergency Card: TEC (R)-61S2019

**SAFE STORAGE**

Separated from food and feedstuffs. Keep in the dark. Well closed.

**IPCS**International  
Programme on  
Chemical SafetyPrepared in the context of cooperation between the International  
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SEE IMPORTANT INFORMATION ON THE BACK.

### IMPORTANT DATA

**Physical State; Appearance**

COLOURLESS TO YELLOW LIQUID, WITH CHARACTERISTIC ODOUR. TURNS DARK ON EXPOSURE TO AIR.

**Chemical dangers**

The substance decomposes on burning producing toxic fumes including nitrogen oxides, hydrogen chloride - see ICSC0163.

**Occupational exposure limits**

TLV not established. (ACGIH 2004).

MAK: IIb (not established but data is available) skin absorption (H); (DFG 2004).

**Routes of exposure**

The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

**Inhalation risk**

No indication can be given about the rate in which a harmful concentration in the air is reached on evaporation of this substance at 20/C.

**Effects of short-term exposure**

The substance is irritating to the eyes. The substance may cause effects on the blood, resulting in the formation of methaemoglobin. Medical observation is indicated. The effects may be delayed.

**Effects of long-term or repeated exposure**

The substance may have effects on the blood, resulting in formation of methaemoglobin.

### PHYSICAL PROPERTIES

Boiling point: 209/C

Melting point: -2/C

Density: 1.213 g/cm<sup>3</sup>

Solubility in water, g/100 ml at 20/C: 0.5

Vapour pressure, Pa at 20/C: 50

Relative vapour density (air = 1): 4.41

Relative density of the vapour/air-mixture at 20/C (air = 1): 1.00

Flash point: 108/C

Auto-ignition temperature: >500/C

Octanol/water partition coefficient as log Pow: 1.92

### ENVIRONMENTAL DATA

The substance is toxic to aquatic organisms.

### NOTES

Stabilized with 0.1% Hydrazine hydrate.

Depending on the degree of exposure, periodic medical examination is suggested.

Specific treatment is necessary in case of poisoning with this substance; the appropriate means with instructions must be available.

Card has been partly updated in April 2005. See sections Occupational Exposure Limits, Emergency Response.

Card has been partially updated in January 2008: see Fire fighting, Ingestion First Aid.

### ADDITIONAL INFORMATION

#### LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information