



MATERIAL SAFETY DATA SHEET

CHLOROACETONITRILE

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:
chloroacetonitrile

General

Synonyms : alpha-chloroacetonitrile, 2-chloroacetonitrile, chloromethyl cyanide, monochloroacetonitrile, monochloromethyl cyanide, chlorocyanomethane, USAF KF-5, chloroethane nitrile

Use : synthetic intermediate, fumigant

Molecular formula : C₂H₂CIN

CAS No. : 107-14-2

EINECS No : Un Listed

Company Information:

LEONID CHEMICALS
62/A-2 1st Stage, Yeshwanthpur Industrial Suburb
Ashokpuram School Road
Bangalore-560 022, Karnataka, INDIA
Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

Un Listed

SECTION 3- HAZARDS IDENTIFICATION

Un Listed

SECTION 4- FIRST AID MEASURES

Un Listed

SECTION 5- FIRE FIGHTING MEASURES

Un Listed

SECTION 6- ACCIDENTAL RELEASE MEASURES

Un Listed

SECTION 7 - HANDLING and STORAGE

Un Listed

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Un Listed

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	colourless liquid
Melting point	:	Un Listed
Boiling point	:	126 - 127 C
Vapour density	:	Un Listed
Vapour pressure	:	Un Listed
Density (g cm-3)	:	1.2
Flash point	:	47 C
Explosion limits	:	Un Listed
Autoignition temperature	:	Un Listed
Water solubility	:	moderate

SECTION 10 - STABILITY AND REACTIVITY

Stability :

Stable, but reacts with water. Combustible. Incompatible with water, moisture, strong oxidizing agents, acids

SECTION 11 - TOXICOLOGICAL INFORMATION

Lachrymator. Severe irritant. Harmful if swallowed, inhaled or absorbed through the skin

Toxicity data : ORL-RAT LD50 220 mg kg⁻¹
 IHL-RAT LCLO 250 ppm/4h
 IPR-RBT LDLO 71 mg kg⁻¹
 IPR-MUS LD50 100 mg kg⁻¹

Risk phrases : R20 R21 R22 R36 R37 R38.

SECTION 12 - ECOLOGICAL INFORMATION

Un Listed

SECTION 13 - DISPOSAL CONSIDERATIONS

Un Listed

SECTION 14 - TRANSPORT INFORMATION

UN No 2668. Hazard class 6.1. Packing group II

Personal protection

Safety glasses, adequate ventilation. Work in a moisture-free environment. If gloves are required, use PVA, Viton or butyl rubber.

SECTION 15 - REGULATORY INFORMATION

Un Listed

SECTION 16 - OTHER INFORMATION

Un Listed