

Safety data for dipropylamine

[Glossary](#) of terms on this data sheet.

The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers.

General

Synonyms: di-n-propylamine, N,N-dipropylamine, N-propyl-1-propanamine, N-dipropylamine

Use: synthetic intermediate

Molecular formula: $C_6H_{15}N$

CAS No: 142-84-7

EINECS No: 205-565-9

Annex I Index no: 612-048-00-5

Physical data

Appearance: colourless liquid

Melting point: -40 C

Boiling point: 108 - 110 C

Vapour density:

Vapour pressure:

Density ($g\ cm^{-3}$): 0.74

Flash point: 7 C (closed cup)

Explosion limits:

Autoignition temperature:

Water solubility: soluble, forming hydrates

Stability

Stable. Highly flammable. Incompatible with strong oxidizing agents.

Toxicology

Harmful if swallowed, inhaled or absorbed through the skin.

Causes severe burns. Very destructive of mucous membranes.

Lachrymator. Swiss poison class 3.

Toxicity data

(The meaning of any toxicological abbreviations which appear in this section is given [here.](#))

ORL-RAT LD50 300 mg kg⁻¹

SKN-RBT LD50 925 mg kg⁻¹

IHL-RAT LC50 4400 mg/m³/4h

Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

R11 R20 R21 R22 R35.

Transport information

(The meaning of any UN hazard codes which appear in this section is given [here.](#))

UN No 2383. Hazard class 3. Packing group II.

Personal protection

Safety glasses, gloves (rubber), good ventilation. Remove sources of ignition from the working area.

Safety phrases

(The meaning of any safety phrases which appear in this section is given [here.](#))

S16 S26 S36 S37 S39 S45.

[Return to [Physical & Theoretical Chemistry Lab. Safety home page.](#)]

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dipropylamine

SPECIFICATION :

APPEARANCE	colorless liquid, Amine-like odor
PURITY (GC)	99.5% min
MONO AMINE	0.1% max
ISOPROPANOL	0.2% max
MOISTURE	0.2% max
COLOR (AHHA)	15 max
TRANSPORTATION	
PACKING	140kgs in Drum
HAZARD CLASS	3.2 (Packing group: II)
UN NO.	2383
GENERAL DESCRIPTION OF AMINE	