

SECTION-1: Identification of the substance / mixture and the company / undertaking

Catalogue Number	CS-T-40815
Product Name	n-Propyl Nitrate
CAS No.	627-13-4
Category	Fine Chemicals
Synonyms	Nitric Acid Propyl Ester, Propyl Nitrate
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email sales@clearsynth.com for more details.

2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Acute toxicity (Category 4)

2.2 Label Elements

Signal Word: Warning



Hazard Statement(s)

Code	Statement
H225	Not available
H332	Harmful if inhaled.
H373	Not available
H333	Not available

H370	Not available
H371	Not available

Precautionary Statement(s)

Code	Statement
P210	Not available
P233	Not available
P240	Not available
P241	Not available
P242	Not available
P243	Not available
P260	Not available
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	Not available
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P317	Not available
P319	Get medical help if you feel unwell.
P370+P378	Not available
P403+P235	Not available
P501	Dispose of contents/container in accordance with local/regional/national/international regulation
P264	Wash hands thoroughly after handling.
P270	Not available
P304+P317	Not available
P308+P316	Not available
P321	Specific treatment (see ... on this label).
P405	Store locked up.

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : n-Propyl Nitrate
 CAS Number : 627-13-4
 Molecular Formula : C3H7NO3
 Molecular Weight : 105.09
 Parent Chemical : Propyl Nitrate
 Synonyms : Nitric Acid Propyl Ester, Propyl Nitrate
 Concentration : Not available

SECTION 4: First aid measures

Not available

SECTION 5: Firefighting measures

Not available

SECTION 6: Accidental release measures

Not available

SECTION-7: Handling and storage

Not available

SECTION 8: Exposure controls / personal protection

Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available

Property	Value
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

SECTION 10: Stability and reactivity

Not available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: /LABORATORY ANIMALS: Acute Exposure/ Inhalation of n-propyl nitrate vapor by rats for 4 hours at 10,000 ppm produced cyanosis, methemoglobinemia, and death. /LABORATORY ANIMALS: Acute Exposure/ n-Propyl nitrate was of low acute dermal toxicity in rabbits. It was moderately toxic to rats following single or repeated administration by the oral and inhalation routes, causing effects on the central nervous system (CNS) and blood (red blood cell damage and a reduction in oxygen levels). Mice and dogs treated by inhalation also showed CNS and blood effects.
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.

- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: /LABORATORY ANIMALS: Subchronic or Prechronic Exposure/ The dog... probed to be the most susceptible species when exposed daily for 8 weeks to 6-hr exposures. Approximately half the dogs died at 560 ppm, whereas all guinea pigs exposed for the same period survived 3235 ppm. Rats had short-term susceptibility intermediate between the dog and guinea pig.
- Aspiration hazard: No data available.

Likely routes of exposure

- Abdominal pain. Further see Inhalation.

Symptoms related to the physical, chemical and toxicological characteristics

- /LABORATORY ANIMALS: Acute Exposure/ n-Propyl nitrate was of low acute dermal toxicity in rabbits. It was moderately toxic to rats following single or repeated administration by the oral and inhalation routes, causing effects on the central nervous system (CNS) and blood (red blood cell damage and a reduction in oxygen levels). Mice and dogs treated by inhalation also showed CNS and blood effects.

SECTION 12: Ecological information

Not available

SECTION 13: Disposal considerations

Not available

SECTION 14: Transport information

Not available

SECTION 15: Regulatory information

Not available

SECTION 16: Other information

Not available

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