

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
 CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

## MATERIAL SAFETY DATA SHEET (MSDS)

### N-PROPYLAMINE (FOR SYNTHESIS)

#### 1 - Chemical Product

MSDS Name:N-Propylamine

Synonym:1-Propanamin

Cas NO:107-10-8

Product Coad: SS0118502500

Molecular Formula: CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub>

Molecular Weight: 59.0697

#### Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

| CAS#     | Chemical Name | content | EINECS#   |
|----------|---------------|---------|-----------|
| 107-10-8 | 1-propanamine | 100.0   | 203-462-3 |

#### 3 - HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Highly flammable. Irritating to eyes, respiratory system and skin.Flammable liquid.

Potential Health Effects

Eye:Contact with eyes may cause severe irritation, and possible eye burns.

Skin:Harmful if absorbed through the skin. Exposure may cause irritation and possible burns.

Ingestion:Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

Inhalation:Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation.

Chronic:Prolonged or repeated skin contact may cause dermatitis.

#### 4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Get medical aid immediately.

Inhalation:Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

#### 5 - FIRE FIGHTING MEASURES

General Information:Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back. Use water spray to keep fire-exposed containers cool.

Extinguishing Media:For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam.

#### 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Wear appropriate protective clothing to minimize contact with skin. Remove all sources of ignition.

#### Section 7 - HANDLING and STORAGE

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

**MATERIAL SAFETY DATA SHEET (MSDS)****N-PROPYLAMINE (FOR SYNTHESIS)**

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage: Keep away from sources of ignition. Store in a tightly closed container.

**8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

Engineering Controls:

Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Exposure Limits CAS# 107-10-8: Russia: 5 mg/m<sup>3</sup> TWA Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear polyethylene gloves, apron, and/or clothing.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Liquid

Color: colorless

Odor: Not available.

pH: Not available.

Vapor Pressure: 248 mm Hg @20C

Viscosity: Not available.

Boiling Point: 47 deg C

Freezing/Melting Point: -83 deg C

Autoignition Temperature: Not applicable.

Flash Point: -37 deg C ( -34.60 deg F)

Explosion Limits, lower: 2.0

Explosion Limits, upper: 10.4

Decomposition Temperature:

Solubility in water: Miscible with water.

Specific Gravity/Density: 0.72

**10 - STABILITY AND REACTIVITY**

Chemical Stability: Stable.

Conditions to Avoid: High temperatures, ignition sources.

Incompatibilities with Other Materials: Oxidizers.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

**11 - TOXICOLOGICAL INFORMATION**

RTECS#:

CAS# 107-10-8: UH9100000 LD50/LC50:

CAS# 107-10-8: Draize test, rabbit, eye: 720 ug Severe; Inhalation, mouse: LC50 = 2500 mg/m<sup>3</sup>/2H; Inhalation, rat: LC50 = 2310 ppm/4H; Oral, rat: LD50 = 370 mg/kg; Skin, rabbit: LD50 = 400 mg/kg.

Carcinogenicity:

1-propanamine - Not listed by ACGIH, IARC, or NTP.

Other: See actual entry in RTECS for complete information.

**12 - ECOLOGICAL INFORMATION**

Other No information available.

**13 - DISPOSAL CONSIDERATIONS**

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

**MATERIAL SAFETY DATA SHEET (MSDS)****N-PROPYLAMINE (FOR SYNTHESIS)**

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

**Section 14 - TRANSPORT INFORMATION**

IATA  
Shipping Name: PROPYLAMINE  
Hazard Class: 3  
UN Number: 1277  
Packing Group: II  
IMO  
Shipping Name: PROPYLAMINE  
Hazard Class: 3  
UN Number: 1277  
Packing Group: II  
RID/ADR  
Shipping Name: PROPYLAMINE  
Hazard Class: 3  
UN Number: 1277  
Packing group: II  
USA RQ: CAS# 107-10-8: 5000 lb final RQ; 2270 kg final RQ

**15 - REGULATORY INFORMATION**

European/International Regulations  
European Labeling in Accordance with EC Directives  
Hazard Symbols: XI F  
Risk Phrases:  
R 11 Highly flammable.  
R 36/37/38 Irritating to eyes, respiratory system and skin.  
Safety Phrases:  
S 16 Keep away from sources of ignition - No smoking.  
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 29 Do not empty into drains.  
WGK (Water Danger/Protection)  
CAS# 107-10-8: 1  
Canada  
CAS# 107-10-8 is listed on Canada's DSL List.  
CAS# 107-10-8 is listed on Canada's Ingredient Disclosure List.  
US FEDERAL  
TSCA  
CAS# 107-10-8 is listed on the TSCA inventory.

**16: Other Information**

**References:** Laboratory Reagent

**MATERIAL SAFETY DATA SHEET (MSDS)**

**N-PROPYLAMINE (FOR SYNTHESIS)**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**