

METANILIC ACID**MATERIAL SAFETY DATA SHEET****CAS NO 121-47-1****SDS/MSDS**

REVISE VERSION : 17.04.2024

SECTION 1 : Identification of the substance /mixture and of the company / undertaking.**1.1 Product Identifiers**

Product Name : Metanilic Acid

CAS No : 121-47-1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses : Laboratory Chemicals, Industrial & For Professional use only.

1.3 Details of the supplier of the safety data sheet.Company : Apurva Chemicals Pvt Ltd
Plot No 2806, 2807/1
3rd Phase GIDC Vapi 396195
Gujarat India

Telephone : +91 9925100332

Email : sales@apurvachem.in**1.4 Emergency telephone number :**

Emergency Phone # : +91 9925100339 (9.00 am to 6.00 pm) (Office hours)

SECTION 2 : Hazards Identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Acute toxicity , Oral (Category 4) H3022

Acute toxicity, Inhalation (Category 4) H332

Acute toxicity, Dermal (Category 4) H312

For the full text of the H-Statements mentioned in this Section, see section 16.

2.2 Label elements

a)



b)

Signal Word

Warning

Hazard Statements(s)

H302 + H312+ H332

Harmful if swallowed in contact with skin or if inhaled.

Precautionary Statement(s)

P280 Wear Protective gloves / protective clothing

Supplemental Hazard None
Statements

2.3 Other Hazards

This substance / mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3 : Composition / information on ingredients

3.1 Substances

Synonyms	:	Metanilic Acid
Formula	:	C ₆ H ₇ NO ₃ S
Molecular Weight	:	173.19 g/mol
CAS NO	:	121-47-1
EC NO	:	204-473-6
Index No	:	612-013-00-4

Hazardous Ingredients according to Regulation (EC) N 1272/2008

Concentration Component

Metanilic Acid

CAS No	121-47-1	Acute Tox : 4: H302, H332 ≤ = 100%
EC NO	204-473-6	H312
Index No	612-013-00-4	

SECTION 4 : First aid measures

4.1 Description of First Aid Measures

General Advice

Consult a physician Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air, if not breathing, give artificial respiration. Consult a Physician.

In case of Skin Contact

Wash off with soap and plenty of Water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person, Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects , both acute and delayed.

The most important known symptoms and effects are described in the labeling (see Section 2.2) and /or in section 11.

- 4.3 **Indication of any immediate medical attention and special treatment needed.**
No data available.

SECTION 5 : Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

- 5.2 **Special hazards arising from the substance or mixture.**
Carbon oxides, Nitrogen oxides (NOx) Sulphur oxides.

- 5.3 **Advice for firefighters.**
Wear self-contained breathing apparatus for firefighting if necessary.

- 5.4 **Further information**
No data available.

SECTION 6 : Accidental release measures

- 6.1 **Personal Precautions, protective equipment and emergency procedures**
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
For personal protection see section 8

- 6.2 **Environmental Precautions**
Do not let product enter drains.

- 6.3 **Methods and materials for containment and cleaning up.**
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

- 6.4 **Reference to other sections**
For disposal see section 13.

SECTION 7 : Handling and storage

- 7.1 **Precautions for safe handling**
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
- 7.2 **Conditions for safe storage , including any incompatibilities.**
Store in cool place. Keep container tightly closed in a dry and well ventilated place. Storage class (TRGS 510) : Non Combustible Solids
- 7.3 **Specific end use (s)**
Apart from the uses mentioned in section 1.2 No other specific uses are stipulated.

SECTION 8 : Exposure controls / personal protection

8.1 Control Parameters

8.2 Exposure Controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective equipment**Eye /face protection**

Safety glasses with side –shields conforming to EN 166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Skin Protection

Handle with gloves, Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection :

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95(US) or type P1 (EU EN 143) particle r (US) or type ABEKP2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

Control of environmental exposure

Do not let product enter drains.

SECTION 9 : Physical and chemical properties**9.1 Information on basic physical and chemical properties.**

a) Apperance	Form : Powder Colour : Light Brown
b) Odour threshold	No data available
c) Odour	No data available
d) pH	No data available
e) Melting point / freezing	Melting point / range : > 300° C – lit
f) Initial boiling point and boiling range	No data available.
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper / lower Flammability or explosive Limits	No data available
k) Vapour Pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water Solubility	No data available
o) Partition coefficient ; n-octanol/water	No data available

p) Auto-ignition Temperature	No data available.
q) Decomposition Temperature	No data available.
r) Viscosity	No data available.
s) Explosive Properties	No data available.
t) Oxidizing Properties	No data available.

9.2 Other Safety Information

No data available.

Section 10 : Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions.

No data available.

10.4 Conditions to avoid.

No data available.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions – Carbon oxides, Nitrogen Oxides (NOx) Sulphur oxides.

Other decomposition Products – No data available.

In the event of fire : see section 5

11.1 Information on toxicological effects

· **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:		
Oral	LD50	> 3200 mg/kg bw (mouse) > 5000 mg/kg bw (rat(Sprague-Dawley)male/female) (OECD Guideline 401 (Acute Oral toxicity)) > 5000 mg/kg of body weight (rat) (Standard acute method)
Inhalative	LC50	>2000 mg/kg bw (rat(Sprague-Dawley)male/female) (OECD Guideline

· **Primary irritant effect:**

· **Skin corrosion/irritation**

1. Method: OECD Guideline 404 (Acute Dermal Irritation /Corrosion); Species:Rabbit (Vienna White);

Coverage: occlusive (either intact or abraded); Vehicle: water

Erythema score: 1.3 of max. 2 (Time point: 72 h) Reversibility: fully reversible within: 8 d

(intact skin)

Edema score: 1.2 of max. 2 (Time point: 24 h) Reversibility: fully reversible within: 72 h (intact skin) Result: Not irritating

2. Method: BASF-internal standard;

Species: Rabbit (Vienna White);

Coverage: occlusive;

Vehicle: water

Erythema score: 0 of max. 0 (mean) (Time point: 72 h) (5-min exposure) Edema score: 0 of max. 0 (mean) (Time point: 72 h) (2-hour exposure) Result: Not irritating

· **Serious eye damage/irritation**

Causes serious eye irritation.

Method: Draize test;

Species Rabbit (Vienna White);

Vehicle: unchanged (no vehicle)

Cornea score: 0.3 of max. 1 (mean) (Time point: 48 h) (not reversible)

Conjunctivae score: 0.5 of max. 2 (mean) (Time point: 48 h) (fully reversible within: 8 d)

· **Respiratory or skin sensitisation**

May cause an allergic skin reaction.

1. EU Method B.6 (Skin Sensitisation); Guinea pig maximization test; guinea pig (Dunkin- Hartley) female; Vehicle: water

Induction:

1st application: Induction 5 % intracutaneous;

2nd application: Induction 50 % occlusive epicutaneous

Challenge: epicutaneous, occlusive

No. with positive reactions:

1st percutaneous challenge: 2 out of 10 (test group); 24 h after chall.; dose: 25%

2nd challenge: 2 out of 10 (test group); 24 h after chall.; dose: 25% Result: sensitising

· **Additional toxicological information:**

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

- **Carcinogenicity** *No relevant information available.*
- **Reproductive toxicity** *Based on available data, the classification criteria are not met.*
- **STOT-single exposure** *No data available*
- **STOT-repeated exposure** *No data available*
- **Aspiration hazard** *No data available*

(Metanilic acid)

Carcinogenicity

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available (Metanilic acid)

Specific target organ toxicity- single exposure

No data available (Metanilic acid)

Specific target organ toxicity- repeated exposure

No data available

Aspiration hazard

No data available (Metanilic acid)

Additional information

RTECS : OY2300000

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. (Metanilic acid)

SECTION 12 : Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available (Metanilic acid)

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

12.6 Other adverse effects

No data available

SECTION 13 : Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

Contaminated packaging

Dispose of as unused product.

SECTION 14 : Transport information

14.1 UN number

ADR/RID :-

IMDG:-

IATA:-

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class (es)

ADR/RID :-

IMDG:-

IATA:-

14.4 Packaging group

ADR/RID :-

IMDG:-

IATA:-

14.5 Environmental hazards

ADR/RID :-

IMDG Marine pollutant: no

IATA:- no

14.6 Special precautions for user

No data available

SECTION 15 : Regulatory information

15.1 Safety, health and environment regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirement of Regulation (EC) No.1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Full text of H-Statements referred to under section 2 and 3.

H302	Harmful if swallowed.
H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled
H312	Harmful in contact with skin.
H332	Harmful if inhaled.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.apurvachemicals.com for additional terms and conditions of sale.