



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : F 11429
Product Name : Formamide

Manufacturer / supplier identification
Company : NICE Chemicals (P) Ltd. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : Formic acid amide; Methane amide

EC-No. : 200-842-0 Molecular Formula: CH₃NO
CAS-No : 75-12-7 Molar Mass : 45.04

3. HAZARDS IDENTIFICATION : May cause harm to the unborn child.
Restricted to professional users. Attention –Avoid exposure obtain special instructions before use.

4. FIRST AID MEASURES : After inhalation : fresh air. Consult doctor if feeling unwell.
After skin contact: wash off with plenty of water .Remove contaminated clothing

After eye contact: rinse out with plenty of water if pain persists
consult an eye specialist

After swallowing: Caution if victim vomits. Risk of aspiration! Keep airways free. Immediately summon doctor.

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media: powder ,foam, water,CO₂

Special risks: Combustible Keep away from sources of ignition. Development of hazardous combustion gases or vapours possible in the event of fire.

The following may develop in the event of fire: CO, ammonia, hydrogen cyanide, nitrous gases.



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6. ACCIDENTAL RELEASE MEASURES : Procedures for cleaning / absorption:

Take up with liquid absorbent material (Eg chemizorb). Forward for disposal. Clean up affected area

Person related precautionary measures: Do not inhale vapours.

7. HANDLING AND STORAGE : Handling: No further requirements

Storage: Tightly closed. In a well ventilated place , Protected from light. At +15⁰C to +25⁰C.

Accessible only for authorised persons.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection: required when vapours / Aerosols are generated.

Eye protection: required ; Hand protection: required

Industrial hygiene: Change contaminated clothing Application of skin protective barrier cream recommended. Wash hands after work with substance. Under no circumstances eat or drink at work place.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Colour : colourless

Odour : almost odourless

Melting temperature : 2⁰C

Boiling temperature : 210⁰C

PHvalue

At 200g/l H₂O (20⁰C) : 4-5

Ignition temperature : 500⁰C

Flash point : 175⁰C

Explosion limits lower : 2.7 vol%

Upper : 19.0 vol%

Relative vapour density : Not available

Density (20⁰C) : 1.13 g/cm³

Solubility in

water (20⁰C) : soluble

ethanol(20⁰C) : soluble



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10. STABILITY AND REACTIVITY : Conditions to be avoided: strong heating.
Substance to be avoided: oxidising agent, iodine/ pyridine/ sulfur trioxide, water separating agents.
Hazardous decomposition products: ammonia, carbon monoxide, hydrogen cyanide..
Further information: heat sensitive, hygroscopic; Explosible with air in a vaporous / gaseous state.

11. TOXICOLOGICAL INFORMATION : Acute Toxicity

LD₅₀ (oral, human):5800 mg/kg.
LD₅₀ (dermal, rabbit):17000 mg/kg.
Further toxicological information:
We have no description of any toxic symptoms.
After skin contact: slight irritations.
Effect of the decomposition products. Highly toxic.
Subacute to chronic toxicity:
In animal experiments : embryotoxic effects

12. ECOLOGICAL INFORMATION : Biologic degradation: Biodegradable.
Behaviour in environmental compartments: logP(oct):-0.82;
Easily aliminable. Elimination:> 60 Gew%
Ecotoxic effects: Biological effects:
Fish toxicity: L.idus LC₅₀ : > 500mg/l/48h.
When introduced properly, no impairments in the function of adapted biological waste-water treatment plants are to be expected.

13. DISPOSAL METHOD Product : There are no uniform EC regulations for The disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations . We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste .



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Packaging : Disposal in compliance with official Regulations. Handle contaminated packaging as In the same way as the substance itself . If not officially specified differently , non – contaminated packaging may be treated like household waste or recycled

14. TRANSPORT INFORMATION : not subject to transport regulations.

15. REGULATORY INFORMATION :

Labelling according to EC Directives

Symbol : T Toxic

R- Phrases : 61 May cause harm to the unborn child.

S-phrases : 53-24/25-37-45 Avoid exposure- obtain special instructions before use. Avoid contact with skin and eyes. Wear suitable gloves. In case of accident or if you feel unwell , seek medical advice immediately

Water pollution class : 1 (slightly polluting substance)

16. OTHER INFORMATION

Reason for alteration

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
