



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : N 16017
Product Name : **NICOTINIC ACID (NIACIN) 99.5%**

Manufacturer / supplier identification

Company : NICE CHEMICALS PVT.LTD. , Cochin , India
Tel - 0484 2800212 , 2802755

Contact for Information : Tel . No. – 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : Niacin, 3-pyridinecarboxylic acid.

CAS-No : 59-67-6 EC –No. 200-441-0

Molar mass : 123.11 g/mol

Molecular formula : C₆H₅NO₂

3. HAZARDS IDENTIFICATION : Irritations to eyes.

4. FIRST AID MEASURES

After inhalation : Fresh air.

After skin contact : wash off with plenty of water. Remove contaminated clothing.

After eye contact : Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.

After swallowing : Make victim drink plenty of water, induce vomiting, summon doctor.

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : Water, CO₂, foam, powder.

Special risks : Combustible. Development of hazardous combustion gases or vapours possible in the event of fire. Danger of dust explosion. The following may develop in event of fire:



SAFETY DATA SHEET

Catalogue No. : N 16017
Product Name : NICOTINIC ACID (NIACIN) 99.5%

Nitrous gases.

Special protective equipment for fire fighting : Do not stay in dangerous zone without self-contained breathing apparatus.

Other information : Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or ground water.

6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning/absorption : Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

Person-related precautionary measures : Avoid substance contact. Avoid generation of dusts; do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

Environmental-protection measures : Do not allow to enter sewerage system.

7. HANDLING AND STORAGE

Handling : Store protected from solvents.

Storage : Tightly closed. Dry. In a well-ventilated place. At +15°C to +25°C

Accessible only for authorised persons. The data apply to the entire pack.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment :

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection : required when dust are generated.

Eye protection : required



SAFETY DATA SHEET

Catalogue No. : N 16017
Product Name : NICOTINIC ACID (NIACIN) 99.5%

Hand protection : required
Industrial hygiene : Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Granulate
Colour : white
Odour : odourless
PH value at 50 g/l H₂O (20⁰C): 2.7
Melting temperature : 236.6 °C
Boiling temperature : Not available
Ignition temperature : > 365 °C
Flash point : 193 °C
Explosion limits Lower : Not available
Upper : Not available
Density (20⁰C) : 1.47 g/cm³
Bulk density : 500 - 600 Kg/m³
Solubility in water(20⁰C) : 18 g/l
Ethanol (20⁰C) : 10 g/l
Log P(oct) : - 0.46 (experimental)
Bioconcentration factor : 0.3 – 2.5 (calculated)

10. STABILITY AND REACTIVITY

Conditions to be avoided : Heating.
Substance to be avoided : No information available.
Hazardous decomposition products : In the event of fire : see chapter 5



SAFETY DATA SHEET

Catalogue No. : N 16017
Product Name : NICOTINIC ACID (NIACIN) 99.5%

11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD₅₀ (oral, rat) : 7000 mg/kg.

Specific symptoms in animal studies : Skin irritation test (rabbit) : No irritations.

Eye irritation test (rabbit) : Irritations.

Subacute to chronic toxicity : No mutagenic properties suspected.

Bacterial mutagenicity : Ames test : Negative.

Further toxicological information : After inhalation : Irritations of the mucous membranes, coughing and dyspnoea. After skin contact : No irritations.

After eye contact : Irritations. After swallowing : After absorption of toxic quantities : CNS disorders, narcosis, vasodilation, nausea, vomiting, drop in blood pressure, collapse.

Further data : Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Biologic degradation : BOD 100% of ThOD/14d (closed bottle test). The product is readily biodegradable according to the OECD criteria.

Behavior in environmental compartments : logP(oct) : -0.46 (experimental). No bioaccumulation is to be expected (logP(o/w)<1). BCF : 0.3 – 2.5 (calculated).

Ecotoxic effects : Biological effects : Harmful effect on aquatic organisms. Fish toxicity : Onchorhynchus mykiss LC₅₀ : 520 mg/l/96h. Daphnia toxicity : Daphnia magna EC₅₀ : 77 mg/l/48h. Bacterial toxicity : Salmonella typhimurium EC₅₀ : 160 mg/l/72h. Algal toxicity : Desmodesmus subspicatus IC₅₀ : 90 mg/l/72h.

Further ecological data : No ecological problems are to be expected when the product is handled and used with due care and attention.



SAFETY DATA SHEET

Catalogue No. : N 16017
Product Name : NICOTINIC ACID (NIACIN) 99.5%

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 that you corresponding laws and regulations. We recommend contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging

Disposal in compliance with official regulations. Handle contaminated packaging 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 : No subject to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xi Irritant
R-phrases : 36 Irritating to eyes.
S-phrases : 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



SAFETY DATA SHEET

Catalogue No. : N 16017
Product Name : NICOTINIC ACID (NIACIN) 99.5%

16. OTHER INFORMATION

Reason for alteration .
Change/addition in the chapter 5.
Change in supplement to physical/chemical parameters.
Change in the chapter on toxicology.
General update.

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