



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No.: N16329
Product Name: **p-NITRO TOLUENE (4-NITRO TOLUENE)**

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

CAS-No : 99-99-0 EC –No. 202-808-0
Molar mass : 137.14 EC-Index No. 609-006-00-3
Molecular formula : C₇H₇NO₂

3. HAZARDS IDENTIFICATION

Toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects.
Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

After eye contact : Rinse out with plenty water with the eyelid held wide open.
Summon eye specialist.
After inhalation : fresh air.
After skin contact : wash off with plenty of water. Remove contaminated clothing.
After swallowing : make the 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. The following may develop
In the event of fire: nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning/absorption : Carefully take up dry.



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7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated. Filter B for inorganic gases
And vapours.

Eye protection : required

Hand protection : required

Industrial hygiene : Immediately change contaminated clothing. Application of skin protective barrier cream recommended. Wash hands and face after working with substance. Under no circumstances eat or drink at workplace. Work under hood. Do not inhale substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	solid
Colour	:	yellowish
Odour	:	characteristic
PH value	:	Not available
Melting temperature	:	50-52 °C
Boiling temperature	:	238 - 239 °C
Ignition temperature	:	456 °C
Flash point	:	106 °C
Explosion limits	Lower :	Not available
	Upper :	Not available.
Vapour pressure (54°C)	:	1 hPa
Relative vapour density	:	Not available
Density	:	Not available
Bulk Density	:	700 kg/m ³
Solubility in water(20°C)	:	insoluble
	Ethanol (20°C) :	soluble
	Acetone (20°C) :	soluble



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10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available
Substance to be avoided : reducing agents and oxidizing agent.
Hazardous decomposition products : Nitrous gases.

11. TOXICOLOGICAL INFORMATION:

Acute toxicity : LD₅₀ (oral,rat): 1960 mg/kg
LD₅₀(dermal,rabbit) : 16000 mg/kg

Further toxicological information :

After eye contact : Irritations.

Systemic effects : Methaemoglobinaemia with headache, cardiac arrhythmia, drop in Blood pressure, dyspnoea and spasms, key symptom : cyanosis (blue Colouration of the blood) Effect potentiated by : Ethanol.

12. ECOLOGICAL INFORMATION:

Do not allow to enter water, waste water or soil. Toxic for aquatic organisms.

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.



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14. TRANSPORT INFORMATION :

Transport over land ADR/RID and GGVS/GGVE

GGVS/GGVE class : 6.1 Number and letter :12b

ADR/RID class : 6.1 Number and letter :12b

Name of material : 1664 NITRO TOLUENE

River transport ADN/ADNR : Not examined.

Sea transport IMDG

IMDG class : 6.1 UN No.1664 Packaging group : II

Ems : 6.1-02 MFAG : 335

Correct technical name : NITRO TOLUENE, SOLID , MARINE POLLUTANT

Air transport ICAQ-TI and IATA-DGR

ICAQ/IATA class : 6.1 UN/ID No. : 1664 Packaging group : II

Correct technical name : NITRO TOLUENE, SOLID

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : T Toxic
 N Dangerous for the environment.

R-phrases : 23/24/25-33-51/53

Toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative Effects. Toxic to aquatic organisms, may cause long term adverse effects in the Aquatic environment.

S-phrases : 28-37-45-61

After contact with skin, wash immediately with plenty of water. Wear suitable protective Gloves. In case of accidents or if you feel unwell, Seek medical advice immediately. (show the label where possible) Avoid release to the environment.

Water pollution class : 2 (polluting substance)

16. OTHER INFORMATION

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.