

NICE **SAFETY DATA SHEET**

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Catalogue No : N 75601

Product Name : 4-Nitro Phenyl disodium orthophosphate

Manufacture / Supplier Identification Company : Nice Chemicals (P) Ltd., PB No: 2217,
Manimala Road, Edappally, Kochi - 682 024,
Kerala, India.

Contact for Information : **Tel:** 91-484-2800212, 2802755, 2802536,
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2 COMPOSITION / INFORMATION ON INGREDIENTS

Molecular Formula : $C_6H_4NNa_2O_6P \cdot 6H_2O$

Synonyms : p-Nitrophenyl phosphatedisodiumhexahydrate
pNPPdisodiumhexahydrate
Disodium 4-nitrophenyl phosphatehexahydrate
di-Sodium 4-nitrophenyl phosphate

CAS - No : 4264 - 83 - 9

Molar Mass :

Molecular weight : 371.14 g/mol

EC - INDEX No :

EC - No : 224-246-5

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

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Label Elements

Other Hazards : none

4 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 : Flush eyes with water as a precaution.

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

Most Important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed : No data available

5 FIRE - FIGHTING MEASURES

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

Special hazards arising from the substance or mixture : Carbon oxides, nitrogen oxides (NO_x), Oxides of phosphorus, Sodium oxides

Advice for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

Further Information : No data available.

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Avoid dust formation. Avoid breathing vapours, mist or gas.
For personal protection see section 8.

Environmental-protection : Do not let product enter drains.

Methods and materials for containment and cleaning up : Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections : For disposal see section 13.

7 HANDLING AND STORAGE

Precautions for safe handling : Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Recommended storage temperature: -20 °C
Light sensitive.

Specific end users : Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter

Components with workplace control parameters

Exposure Controls

Appropriate engineering controls : General industrial hygiene practice.

Personal protective equipment

Eye/face protection : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection : Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. 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.

9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance : **Form** : Tablet
Colour : Beige

Odour : No data available

Odour Threshold : No data available

pH : No data available

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Melting Point/Freezing point	:	> 300 °C - lit.
Initial Boiling point and boiling range	:	No data available
Flash Point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or explosive limits	:	No data available
Vapour Pressure	:	No data available
Vapour Density	:	No data available
Relative density	:	No data available
Water solubility	:	No data available
Partition coefficient: noctanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Other Safety information	:	No data available

10 STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	No data available
Conditions to be avoid	:	Exposure to light may affect product quality.
Incompatible materials	:	Strong oxidizing agents, Strong acids, Strong

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hazardous decomposition products	:	Other decomposition products - no data available
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11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity	:	No data available
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Further toxicological Information

Skin corrosion/irritation	:	No data available
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Serious eye damage/eye irritation	:	No data available
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Respiratory or skin sensitisation	:	No data available
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Germ cell mutagenicity	:	No data available
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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.
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Reproductive toxicity	:	No data available
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Specific target organ toxicity - single exposure	:	No data available
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Specific target organ toxicity - repeated exposure	:	No data available
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Aspiration hazard	:	No data available
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Signs and symptoms of exposure	:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
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Additional Information	:	RTECS: No data available
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12 ECOLOGICAL INFORMATION

Toxicity	:	No data available
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Persistence and degradability	:	No data available
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Bioaccumulative potential	:	No data available
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Mobility in soil	:	No data available
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Results of PBT and vPvB assessment	:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
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Other adverse effects	:	No data available
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13 DISPOSAL METHOD

Waste treatment methods

Product : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber

Contaminated packaging : Dispose of as unused product.

14 TRANSPORT INFORMATION

UN number : ADR/RID: -..... IMDG: -
IATA: -

UN Proper shipping name : ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

Transport hazard class(es) : ADR/RID:- IMDG:-
IATA:-.....

Packaging group : ADR/RID: - IMDG: -
IATA:-

Environmental group : ADR/RID: no IMDG Marine pollutant: no
IATA: no

Special precautions for user : No data available

15 REGULATORY INFORMATION

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

Safety, health and environmental regulations/legislation specific for the substance or mixture : No data available

Chemical safety assessment : For this product a chemical safety assessment was not carried out

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16 OTHER 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