



# Qualikems Lifesciences Pvt. Ltd.

(Formerly known as Qualikems fine chem Pvt Ltd)

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### Product identifiers

Product name : **Sodium Tripolyphosphate**

CAS-No. : **7758-29-4**

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

Identified uses : Laboratory chemicals, Industrial & for professional use only.

### Details of the supplier of the safety data sheet

Company : Qualikems Lifesciences Pvt Ltd

Works : Plot No. 68.69,G.I.D.C Industrial  
Estate, Nandesari, Vadodara-391340  
(Gujarat)

### Emergency telephone number

Emergency Phone # : +91-265-2841531 (9:00am - 6:30 pm) [Office hours]

## SECTION 2: 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.

### Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

**Other hazards** - none

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Synonyms : Sodium triphosphate pentabasic  
Sodium tripolyphosphate pentabasic  
Pentasodium tripolyphosphate Anhydrous  
STPP  
Sodium triphosphate

Formula : Na<sub>5</sub>O<sub>10</sub>P<sub>3</sub>

Molecular Weight : 367,86 g/mol

CAS-No. : 7758-29-4

EC-No. : 231-838-7

Component	CAS No	EC No	Concentration
Sodium Tripolyphosphate	7758-29-4	231-838-7	< = 100 %

## SECTION 4: First aid measures

### 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

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

## SECTION 5: Firefighting measures

### Extinguishing media Suitable

#### extinguishing media

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

### Special hazards arising from the substance or mixture

Oxides of phosphorus, Sodium oxides

### Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### Further information

no data available

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust.

For personal protection see section 8.

### Environmental precautions

Do not let product enter drains.

### 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.

### Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

**Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

hygroscopic

**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****Control parameters****Components with workplace control parameters****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**

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**

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.

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

- |   |                                 |
|---|---------------------------------|
| a) Appearance                                   | Form: granules<br>Colour: white |
| b) Odour  | no data available               |
| c) Odour Threshold                              | no data available               |
| d) pH   | 9,5 - 10,3 at 1 g/l             |
| e) Melting point/freezing point                 | Melting point/range: 622 °C     |
| f) Initial boiling point and boiling range      | no data available               |
| g) Flash point                                  | not applicable                  |
| 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	148 g/l at 20 °C - completely soluble
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

#### Other safety information

Dissociation constant 9,52 at 25 °C

### SECTION 10: Stability and reactivity

#### Reactivity

no data available

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

no data available

#### Conditions to avoid

Avoid moisture.

#### Incompatible materials

Strong acids, Strong oxidizing agents

#### Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

LD50 Oral - rat - male and female - > 2.000 mg/kg  
(OECD Test Guideline 401)

LC50 Inhalation - rat - male and female - 4 h - > 0,39 mg/l

LD50 Dermal - rabbit - 4.640 mg/kg

##### Skin corrosion/irritation

Skin - rabbit

Result: No skin irritation  
(OECD Test Guideline 404)

##### Serious eye damage/eye irritation

Eyes - rabbit

Result: No eye irritation  
(OECD Test Guideline 405)

##### Respiratory or skin sensitisation

in vivo assay - mouse  
Result: Did not cause sensitisation on laboratory animals.  
(OECD Test Guideline 429)

**Germ cell mutagenicity**

in vitro assay  
S. typhimurium  
Result: negative

rat - male  
Result: negative

**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

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Additional Information**

RTECS: YK4570000

Gastrointestinal disturbance, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**SECTION 12: Ecological information**

**Toxicity**

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h  
other aquatic  
invertebrates

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

no data available

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Product**

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

