



# HI-VALLEY CHEMICAL

## LABORATORY PRODUCTS

1134 W. 850 N.      CENTERVILLE, UT 84014  
(801) 295-9591      Fax (801) 295-9448  
www.hvchemical.com

### Trisodium Phosphate

#### 1 PRODUCT AND COMPANY IDENTIFICATION

**Supplier Details:** High Valley Products, Inc.  
1134 West 850 North  
Centerville, Utah 84014

**Phone:** 801-295-9591  
**Email:** sales@hvchemical.com  
**Internet:** www.hvchemical.com  
**Emergency:** PERS: 800-633-8253

#### 2 HAZARDS IDENTIFICATION

##### Classification of Substance

##### GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

- Health, Skin corrosion/irritation, 2
- Health, Serious Eye Damage/Eye Irritation, 1
- Health, Specific target organ toxicity - Single exposure, 3
- Environmental, Hazards to the aquatic environment - Acute, 3

##### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** **DANGER**

##### GHS Hazard Pictograms:



##### GHS Hazard Statements:

- H315 - Causes skin irritation
- H318 - Causes serious eye damage
- H336 - May cause drowsiness or dizziness
- H402 - Harmful to aquatic life

##### GHS Precautionary Statements:

- P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P280 - Wear protective gloves/ eye protection/ face protection.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
7601-54-9	100%	Sodium phosphate, tribasic

#### 4 FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If not breathing give artificial respiration.

**Skin Contact:** Promptly flush skin with soap water until all chemical is removed.

**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate

irrigation.

Get immediate medical attention.

**Ingestion:**

If swallowed , wash the mouth with plenty of water and give water to drink. If person is unconscious DO NOT give anything to drink. DO NOT induce vomiting. Get medical attention.

**5**

**FIRE FIGHTING MEASURES**

Extinguishing media

Suitable extinguishing media

Not combustible. Use extinguishing media suitable for surrounding fire.

Special hazards arising from the substance or mixture

Oxides of sodium, oxides of phosphorus.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data

**6**

**ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:**

Wear respiratory protection. Avoid dust formation. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation.

**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.

**7**

**HANDLING AND STORAGE**

**Handling Precautions:**

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors or mist.

**Storage Requirements:**

Store in cool/dry area. Keep container tightly closed.

**8**

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Personal Protective Equipment:**

Sodium phosphate, tribasic cas#:(7601-54-9) [100%]

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves 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.

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

Skin and body protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands

before breaks and at the end of workday.

Sodium phosphate, tribasic cas#:(7601-54-9) [100%]

Components with workplace control parameters

STEL 5 mg/m3 USA. Workplace Environmental Exposure Levels  
(WEEL)

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White granules	<b>Odor:</b>	None
<b>Flammability:</b>	Non combustilbe.	<b>Freezing or Melting Point:</b>	>600 C° (> 1112 F°)
<b>Potentia Hydrogenii:</b>	11.5 @ 1 wt/wt%		

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No dangerous reaction under normal conditions.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to Avoidentification:</b>	Moisture.
<b>Materials to Avoidentification:</b>	Strong Acids; magnesium
<b>Hazardous Decomposition:</b>	Oxides of phosphorus. Oxides of sodium
<b>Hazardous Polymerization:</b>	Will not occur.

## 11 TOXICOLOGICAL INFORMATION

Sodium phosphate, tribasic cas#:(7601-54-9) [100%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - Irritating to skin.

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):  
Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System):  
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: TC9490000

## 12 ECOLOGICAL INFORMATION

Sodium phosphate, tribasic cas#:(7601-54-9) [100%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 28.5 mg/l - 96 h.

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.  
no data available

## 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

## 14 TRANSPORT INFORMATION

Not DOT regulated

## 15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Sodium phosphate, tribasic (7601-54-9) [100%] CERCLA, CSWHS, PA, TSCA

Regulatory CODE Descriptions

CERCLA = Superfund clean up substance  
CSWHS = Clean Water Act Hazardous substances  
PA = PA Right-To-Know List of Hazardous Substances  
TSCA = Toxic Substances Control Act

## 16 OTHER INFORMATION

Disclaimer:

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the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

Revision Date: 12/12/2018