



KEY SCIENTIFIC PRODUCTS
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Safety Data Sheet

1 Identification

GHS Product Identifier

Product Name: **Voges Proskauer Tablet 1**

Catalog Number: **K660**

Recommended use of the chemical and restriction on use

For invitro diagnostic use only by trained professionals.

Supplier's details

KEY SCIENTIFIC PRODUCTS, INC
1113 E REYNOLDS
STAMFORD, TX 79553

Telephone: 800-843-1539
325-773-3918

2 Hazard(s) identification

GHS label elements

Warning



May cause an allergic skin reaction

Causes serious eye irritation

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash skin thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

IF eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification

None

3 Composition/information on ingredients

| Description | CAS Number | EINECS Number | % | Note |
|---------------------------|------------|---------------|------------|------|
| Starch, from corn | 9005-25-8 | 232-679-6 | 0 | |
| Sodium pyruvate | 113-24-6 | 204-024-4 | 0 - 0.009 | |
| Sodium bicarbonate | 144-55-8 | 205-633-8 | 0 - 0.0005 | |
| Creatine monohydrate | 6020-87-7 | 200-306-6 | 0 - 0.002 | |
| Sodium chloride | 7647-14-5 | 231-598-3 | 0 - 0.006 | |
| Glucose | 50-99-7 | 200-075-1 | 0 - 0.009 | |
| Lactose monohydrate | 10039-26-6 | | 0 - 0.009 | |
| Dibasic calcium phosphate | 7757-93-9 | 231-826-1 | 0 - 0.01 | |
| Peg | 25322-68-3 | 500-038-2 | 0 - 0.004 | |
| Agar | 9002-18-0 | | 0 - 0.001 | |

4 First-aid measures

Description of necessary first-aid measures

EYES: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Consult a physician.

Skin: Wash with plenty of soap and water. Consult a physician.

5 Fire-fighting measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or CO₂.

Specific hazards arising from the chemical

Carbon oxides, Nitrogen oxides (NO_x)
Hydrogen chloride gas, Sodium oxides
Oxides of phosphorus, Potassium oxides

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Wear lab coat, gloves, and safety glasses. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Contain spillage and collect by wet-brushing. Contain in suitable closed container. Pick up and arrange disposal without creating dust.

7 Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid dust and aerosol formation. Ensure adequate ventilation. Avoid inhalation of vapor or mist. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

8 Exposure controls/personal protection

Control parameters

USA .ACGIH Threshold Limit Values (TLV):

High-polymeric carbohydrate material
CAS# 9005-25-8
TWA Control parameters 10 mg/m³
Not classified as a human carcinogen

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the day.

Individual protection measures

- Eye/face protection:** Safety glasses with side shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN (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:** Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) 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).

9 Physical and chemical properties

Physical and chemical properties

- Appearance:** **Form:** powder
Color:
- Odor:** No data available
- Odor Threshold:** No data available
- pH:** No data available

| | |
|---|-------------------|
| Melting point/freezing point: | No data available |
| Melting point: | No data available |
| Flash point: | No data available |
| Evaporation rate: | No data available |
| Flammability: | No data available |
| Upper/lower flammability/explosion limits: | No data available |
| Vapor pressure: | No data available |
| Vapor density: | No data available |
| Relative density: | No data available |
| Water solubility: | 50 g/l |
| Partition coefficient (n-octal/water): | log POW: -1349 |
| Auto-ignition temperature: | No data available |
| Decomposition temperature: | No data available |
| Viscosity: | No data available |
| Explosive properties: | Not explosive |
| Other safety information | |
| Solubility in other solvents: | No data available |
| Surface tension: | No data available |
| Relative vapor density: | 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 avoid

No data available.

Incompatible materials

Strong acids, Strong oxidizing agents, Nitrogen oxides (NOx), Hydrogen chloride gas, Sodium oxides

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions-Carbon oxides, Sodium oxides, Hydrogen chloride gas, Oxides of phosphorus, Potassium oxides

Other decomposition products: No data available

In the event of fire: see section 5

11 Toxicological information

Toxicological (health) effects

Acute toxicity - Starch

No data available

Acute toxicity - Sodium pyruvate

No data available

Inhalation

No data available

Inhalation

No data available

Dermal

No data available

Dermal

No data available

LD50 Intraperitoneal - Mouse -6600 mg/kg

LD50 - Oral Rat -600mg/kg

Skin corrosion/irritation

Mild skin irritation - 3 h

Skin corrosion/irritation

Skin: reconstructed human epidermis (RhE)

Result: No skin irritation - 42 min

(OECD Test Guideline 439)

Serious eye damage

No data available

Serious eye Damage/eye irritation

Eyes: In vitro study

Result: Causes serious eye irritation - 6 h

(OECD Test Guideline 492)

Respiratory or skin sensitisation

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.

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

Reproduction toxicity-DMSO

No data available

Developmental Toxicity-DMSO

No data available

Specific target organ-single exposure

No data available

Specific target organ-repeated exposure

No data available

Aspiration hazard

No data available

Additional information

RTECS: No data available

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

12 Ecological information**Toxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

13 Disposal considerations**Disposal methods****Product**

Contact a licensed professional waste disposal service to dispose of this material.
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14 Transport information**UN Number****DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15 Regulatory information**Safety, health and environmental regulations specific for the product in question****SARA 302 Components**

No chemicals in the material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimus) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

| | CAS-No. | Revision Date |
|--------------------------------------|-----------|---------------|
| High-polymeric carbohydrate material | 9005-25-8 | 1989-08-11 |

Pennsylvania Right To Know Components

| | CAS-No. | Revision Date |
|--------------------------------------|-----------|---------------|
| High-polymeric carbohydrate material | 9005-25-8 | 1989-08-11 |

| | CAS-No. | Revision Date |
|-----------------|----------|---------------|
| Sodium pyruvate | 113-24-6 | |

| | CAS-No. | Revision Date |
|-----------------|-----------|---------------|
| Sodium chloride | 7647-14-5 | |

| | CAS-No. | Revision Date |
|----------------------|-----------|---------------|
| Creatine monohydrate | 6020-87-7 | |

| | CAS-No. | Revision Date |
|---------|---------|---------------|
| Glucose | 50-9-7 | |

| | CAS-No. | Revision Date |
|--------------------------|----------|---------------|
| Sodium hydrogencarbonate | 144-55-8 | |

| | CAS-No. | Revision Date |
|--------------------------|------------|---------------|
| D(+)-Lactose monohydrate | 10039-26-6 | |

| | CAS-No. | Revision Date |
|--------------------------------|-----------|---------------|
| Calcium hydrogenorthophosphate | 7757-93-9 | |

| | CAS-No. | Revision Date |
|---------------------------------------|---------|---------------|
| Polyethylene glycol, average MW 8,000 | | |

25322-68-3

New Jersey Right To Know Components

| | | |
|---------------------------------------|-----------------------|-----------------------------|
| High-polymeric carbohydrate material | CAS-No. 9005-25-8 | Revision Date 1989-08-11 |
| Sodium pyruvate | CAS-No. 113-24-6 | Revision Date |
| Sodium chloride | CAS-No. 7647-14-5 | Revision Date |
| Creatine monohydrate | CAS-No. 6020-87-7 | Revision Date |
| Glucose | CAS-No. 50-9-7 | Revision Date |
| Sodium hydrogencarbonate | CAS-No. 144-55-8 | Revision Date |
| D(+)-Lactose monohydrate | CAS-No. 10039-26-6 | Revision Date |
| Calcium hydrogenorthophosphate | CAS-No. 7757-93-9 | Revision Date |
| Polyethylene glycol, average MW 8,000 | CAS-No. 25322-68-3 | Revision Date |

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16 Other information

Other information

Further Information

The above information, to the best of our knowledge, is accurate. Key Scientific Products assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of materials is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.