

Safety Data Sheet **VOUGUES PROSKAUER 1**

SDS no. B17K2SPR • Version 1.0 • Date of issue: 2026-01-28

SECTION 1: Identification

GHS Product identifier

Product name VOUGUES PROSKAUER 1

Product number VP1

Recommended use of the chemical and restrictions on use

Used in hospital and pathology laboratories only.

Supplier's details

Name ChemSupply Australia Pty Ltd
Address 38-50 Bedford Street
5013 Gillman South Australia
Australia

Telephone 08 8440 2000
email www.chemsupply.com.au

National contact

Name Australian Biostain Pty Ltd
Address 16 Shipwright Road
5016 Largs North SA
Australia

Emergency phone number

CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

SECTION 2: Hazard identification

General hazard statement

Dangerous goods of Class 8 (Corrosive) are incompatible in a placard load with any of the following: Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids, Class 7; and are incompatible with food and food packaging in any quantity.

Classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

- Acute toxicity, oral, Cat. 4
- Serious eye damage/eye irritation, Cat. 1

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- Skin corrosion/irritation, Cat. 1
- Corrosive to metals, Cat. 1

GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statement(s)

H302
H314
H290

Harmful if swallowed
Causes severe skin burns and eye damage
May be corrosive to metals

Precautionary statement(s)

P260
P280
P301+P330+P331
P303+P361+P353

Do not breathe dust/fume/gas/mist/vapors/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor/physician
Wash contaminated clothing before reuse.
Dispose of contents/container to an approved waste disposal facility
Absorb spillage to prevent material-damage.
Store in a corrosive resistant/... container with a resistant inner liner.

P304+P340
P305+P351+P338

P310
P363
P501
P390
P406

SECTION 3: Composition/information on ingredients

Mixtures

Molecular weight	56.11
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Component	Identification	Weight %	Classifications
Water	CAS no.: 7732-18-5 EC no.: 231-791-2	>= 60 %	CLASSIFICATIONS: No data available. HAZARDS: No data available.
Potassium hydroxide	CAS no.: 1310-58-3 EC no.: 215-181-3 Index no.: 019-002-00-8	<= 40 %	CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Skin corrosion/irritation, Cat. 1A. HAZARDS: H302 - Harmful if swallowed; H314 - Causes severe skin burns and eye damage. [SCLs/M- factors/ATEs]: Skin Corr. 1A; H314: C ≥ 5 %; Skin Corr. 1B; H314: 2 % ≤ C < 5 %; Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %; Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %

SECTION 4: First-aid measures

Description of necessary first-aid measures

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General advice	Advice to Doctor: Burns are not immediately painful, onset of pain may be minutes to hours. First Aid Facilities: Maintain eyewash fountain in work area.
If inhaled	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop. Do not use mouth-to-mouth method, use an alternative method or a proper respiratory device.
In case of skin contact	Immediately remove contaminated clothing and wash affected area with water for at least 15 minutes. Ensure contaminated clothing is washed before re-use. Seek medical advice /attention depending on the severity.
In case of eye contact	If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek medical attention immediately
If swallowed	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek immediate medical advice.

Most important symptoms/effects, acute and delayed

Inhalation: May cause respiratory irritation leading to headache, dizziness, incoordination and respiratory collapse.

Skin Contact: Causes severe skin burns, redness, blistering, pain and dermatitis.

Eye Contact: Causes serious eye damage. May cause eye irritation, stinging, tearing and blindness.

Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach, leading to nausea, vomiting, diarrhoea and death.

Indication of immediate medical attention and special treatment needed, if necessary

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use fire extinguishing media appropriate for surrounding environment. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

May liberate toxic fumes in fire

Specific hazards arising from the chemical

Specific hazards arising from the chemical: Material does not burn. Fire or heat will produce irritating, poisonous and/or corrosive gases. Containers may explode when heated.

Special protective actions for fire-fighters

Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid inhalation, contact with skin, eyes and clothing. Evacuate the area of all non-essential personnel.

Wear protective clothing specified for normal operations (see Section 8)

Environmental precautions

Use appropriate containment to avoid environmental contamination.

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Methods and materials for containment and cleaning up

Do NOT touch or walk through this product. Do NOT touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Cover with DRY earth, sand or other non-combustible material followed by plastic sheet to minimize spreading or contact with rain. DO NOT GET WATER INSIDE CONTAINERS.

Spillages are very slippery.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid prolonged or repeated contact with skin, eyes and clothing. Avoid breathing vapour, spray or mists. Use in well ventilated areas away from all ignition sources. In case of insufficient ventilation, wear suitable respiratory equipment. Wash hands and face thoroughly after working with material.

Conditions for safe storage, including any incompatibilities

Do not store in aluminium or galvanised containers or use die-cast zinc or aluminium bungs. Steel bungs should be used. Reacts exothermically on dilution with water. Keep containers closed at all times - check regularly for leaks.

Corrosive to aluminum, tin and zinc. Corrosive to steel at elevated temperatures.

SECTION 8: Exposure controls/personal protection

Control parameters

CAS: 1310-58-3

Potassium hydroxide

AU/SWA (Australia): 2 Peak limitation mg/m³ TWA inhalation

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Body protection

Footwear: Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Body Protection: Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Respiratory protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/ NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/ NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

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SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	No data available.
Color	Clear colourless
Odor	Odourless.
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/ flammability limit	Not applicable
Flash point	No data available.
Explosive properties	No data available.
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	pH of 1% aqueous solution: ~13
Kinematic viscosity	No data available.
Solubility	No data available.
Partition coefficient n-octanol/ water (log value)	No data available.
Vapor pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	Specific Gravity: ~1.5
Relative vapor density	No data available.
Particle characteristics	No data available.

Supplemental information regarding physical hazard classes

No data available.

Further safety characteristics (supplemental)

Refractive index: 1.421

SECTION 10: Stability and reactivity

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Reactivity

Stable under normal conditions of storage and handling.

Reacts with incompatible materials

Chemical stability

Stable. Absorbs carbon dioxide from the air.

Possibility of hazardous reactions

May react explosively with maleic anhydride and nitro and chloro organic compounds. In contact with metals, may produce flammable and explosive hydrogen gas. May react with organohalogen compounds to form spontaneously combustible compounds. Violent reaction with acids, yielding heat and pressure which can burst an enclosed container.

Hazardous Polymerization: Will not occur.

Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

Incompatible materials

Strong acids, acetone, aluminium, ammonium compounds, alkaline earth metals, chlorinated hydrocarbons, halogens and halogenated compounds, metals, anhydride, strong oxidizing agents and nitro organic compounds. Glass, metals and various plastics.

Hazardous decomposition products

Potassium oxides.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Acute Toxicity - Oral: LD50 (rat): 273 mg/kg (pure substance).

Ingestion: Harmful if swallowed. Corrosive to mucous membranes and may cause perforation of the esophagus and stomach. Abdominal pain, nausea, vomiting, general gastro-intestinal upset can be expected.

Inhalation: Respiratory tract irritant, causes serious burns on acute contact. Severe injury is usually avoided by the self-limiting coughing, wheezing, shortness of breath and sneezing symptoms. May lead to spasms, inflammation and edema of the larynx/bronchi, pneumonitis, pulmonary edema and burning sensation.

Skin corrosion/irritation

Causes skin burns and irritation upon contact. Soreness, redness, destruction of skin may result.

Skin corrosion/irritation: Skin Corrosion/Irritation: Category 1A
H314 Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes eye burns and irritation upon contact. Tearing, redness, pain, impaired vision are symptoms. Risk of blindness! Risk of corneal clouding!

Serious eye damage/irritation: Skin Corrosion/Irritation: Category 1A
H314 Causes severe skin burns and eye damage.

Respiratory or skin sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

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Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Specific target organ toxicity (STOT) - single exposure

Not classified based on available information.

Specific target organ toxicity (STOT) - repeated exposure

Not classified based on available information.

Aspiration hazard

Not classified based on available information.

Additional information

Chronic Effects: Development of a defatting dermatitis on prolonged contact with potassium hydroxide has been reported. Continued irritation may lead to increased susceptibility to respiratory illness.

SECTION 12: Ecological information

Toxicity

Ecological Information: Harmful to aquatic life due to pH shift.

Environmental Protection: Avoid contaminating waterways.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers.

Other disposal recommendations

Do not discharge this material into waterways, drains and sewers.

SECTION 14: Transport information

ADG (Road and Rail)

UN Number: 1814

Class: 8

Packing Group: II

Proper Shipping Name: POTASSIUM HYDROXIDE SOLUTION

Hazchem emergency action code (EAC)

2R

IMDG

UN Number: 1814

Class: 8

Packing Group: II

EMS Number:

Proper Shipping Name: POTASSIUM HYDROXIDE SOLUTION

IATA

UN Number: 1814

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Class: 8
Packing Group: II
Proper Shipping Name: POTASSIUM HYDROXIDE SOLUTION

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Australia SUSMP

Poison Schedule: S6

SECTION 16: Other information

Further information/disclaimer

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

Preparation information

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Standard for the Uniform Scheduling of Medicines and Poisons, Commonwealth of Australia

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'

Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', July 2020.

Safe Work Australia, 'National Guide for Classifying Hazardous Chemicals', July 2020.

Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants, December 2019

Safe Work Australia, Hazardous Chemical Information System (HCIS), hcis.safeworkaustralia.gov.au

IATA, Dangerous Goods Regulations (DGR)

IMO, International Maritime Dangerous Goods Code (IMDG)