



HURST SCIENTIFIC

**Safety Data Sheet
Van Gieson's Stain**

SECTION 1: Identification

GHS Product identifier

Product name	Van Gieson's Stain
Product number	VGSN-500M, 1L, 2.5L, 5L
Brand	Hurstchem

Recommended use of the chemical and restrictions on use

Laboratory Reagent

Supplier's details

Name	Hurst Scientific
Address	2/36 Hensbrook Loop 6112 Forrestdale WA Australia
Telephone	1300 778 068
email	sales@hurstscientific.com.au

Emergency phone number

Australian Poisons Information Centre 131 126
Australian Emergency Services 000

SECTION 2: Hazard identification

General hazard statement

Classified as a **NON-Hazardous** substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as a **NON-Dangerous goods** according to the ADG Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

- Skin sensitizer, Cat. 1
- Skin corrosion/irritation, Cat. 2
- Serious eye damage/eye irritation, Cat. 2A

GHS label elements, including precautionary statements

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Pictograms



1. Exclamation mark

Signal word

Warning

Hazard statement(s)

H317

May cause an allergic skin reaction

H315

Causes skin irritation

H319

Causes serious eye irritation

Precautionary statement(s)

P261

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

P272

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

P280

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

P302+P352

IF ON SKIN: Wash with plenty of water/...

P333+P313

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

P321

Specific treatment (see ... on this label).

P362+P364

Take off contaminated clothing and wash it before reuse.

P501

Dispose of contents/container to ...

P264

Wash ... thoroughly after handling.

P332+P313

If skin irritation occurs: Get medical advice/attention.

P305+P351+P338

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

P337+P313

If eye irritation persists: Get medical advice/attention.

Other hazards which do not result in classification

GHS classification of the substance/mixture: No classification according to GHS.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. Picric acid

Concentration

< 10 %

CAS no.

88-89-1

2. Fuchsin Acid

Concentration

< 0.1 %

CAS no.

3244-88-0

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled

Evacuate to fresh air immediately. If unconscious place in recovery position, provide artificial respiration if breathing ceases. Seek medical attention.

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In case of skin contact	Remove contaminated clothing and wash affected area with soap and water thoroughly. If irritation develops, seek medical attention.
In case of eye contact	Flush eyes with copious amounts of water for at least 15 minutes. If irritation develops or persists, seek medical attention.
If swallowed	DO NOT induce vomiting. Rinse mouth out with copious amounts of water and seek immediate medical attention.
Personal protective equipment for first-aid responders	Eye wash station, safety shower and First Aid kit.
Indication of immediate medical attention and special treatment needed, if necessary Treat symptomatically.	

SECTION 5: Fire-fighting measures

Suitable extinguishing media

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Specific hazards arising from the chemical

Risk of explosion during rapid heating. Carbon oxides, nitrogen oxides (NO_x).

Special protective actions for fire-fighters

Wear SCBA (Self-Contained Breathing Apparatus) and full protective equipment.

Further information

Hazchem code: None allocated.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment and ensure adequate ventilation.

Methods and materials for containment and cleaning up

Absorb with vermiculite or similar and place into a suitably labelled container for later disposal. Wash the affected area with water. Do not contaminate drains or waterways.

SECTION 7: Handling and storage

Precautions for safe handling

Use only in an adequately ventilated area away. Avoid breathing in mists or vapours. Wear appropriate protective clothing to avoid any exposure and practice good personal hygiene.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from incompatibles. Keep containers tightly closed when not in use.

SECTION 8: Exposure controls/personal protection

Control parameters

CAS: 88-89-1

Picric acid

AU/SWA (Australia): 0.1 mg/m³ TWA inhalation

Appropriate engineering controls

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Ensure an adequate ventilation or exhaust system is in place.

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

Eye/face protection

Safety glasses goggles,.

Skin protection

Gloves and laboratory coat.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Color	Orange/Red
Odor	Odourless
Odor threshold	Not determined
Melting point/freezing point	Undetermined.
Boiling point or initial boiling point and boiling range	100°C
Flammability	Not applicable
Lower and upper explosion limit/flammability limit	Not determined
Flash point	Not applicable
Auto-ignition temperature	Product is not selfigniting.
Decomposition temperature	Not determined
pH	Not determined
Solubility	Water soluble
Vapor pressure	23 hPa

SECTION 10: Stability and reactivity

Reactivity

Non-reactive under recommended conditions for use and storage.

Chemical stability

Stable under recommended conditions for use and storage.

Possibility of hazardous reactions

Polymerisation not expected to occur.

Conditions to avoid

Direct sunlight and incompatibles.

Incompatible materials

Oxidisers, strong alkalis and acids.

Hydrochloric acid: Bases, Amines, Alkali metals, Metals, permanganates, for example potassium permanganate, Fluorine, metal acetylides, hexalithium disilicide

Hazardous decomposition products

Toxic gases may evolve.

SECTION 11: Toxicological information

Information on toxicological effects

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Acute toxicity

HEALTH EFFECTS:

Eye Contact May cause irritation resulting in redness, pain and lacrimation.

Skin Contact May cause irritation resulting in itching and redness.

Inhalation May cause irritation of the respiratory tract.

Ingestion May cause irritation to the gastrointestinal tract, resulting in nausea, vomiting and diarrhoea.

Skin corrosion/irritation

No classification.

Serious eye damage/irritation

No classification.

Respiratory or skin sensitization

No classification.

Germ cell mutagenicity

No classification.

Carcinogenicity

No product contained in this mixture is an IARC listed chemical.

Reproductive toxicity

No classification.

Specific target organ toxicity (STOT) - single exposure

No classification.

Specific target organ toxicity (STOT) - repeated exposure

No classification.

Aspiration hazard

No classification.

SECTION 12: Ecological information

Toxicity

Not available for this mixture.

Persistence and degradability

Not available for this mixture.

Bioaccumulative potential

Not expected to bio-accumulate.

Mobility in soil

Not available for this product.

Other adverse effects

Do not contaminate drains and waterways.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of in accordance with local authority guidelines.

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Packaging disposal

Dispose of in accordance with local authority guidelines.

Other disposal recommendations

Special precautions Nil.

SECTION 14: Transport information

UN Number	None
UN Proper Shipping Name	None
Transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None
Transport in bulk according to IMO instruments	None

SECTION 15: Regulatory information

Chemical Safety Assessment

- Poison Schedule: Not Scheduled.

SECTION 16: Other information

Further information/disclaimer

References

1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011).
2. Safe Work Australia, National Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015).
3. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (2013)
4. National Transport Commission Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code); Can print: Canberra (2007), Volume 1, 7th Edition.
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).

Preparation information

Disclaimer

This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011). The information contained within is believed to be accurate at the date of preparation/review. Hurst Scientific makes no claims of the accuracy or completeness of the information and excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. It is recommended the user make their own determinations as to the suitability of the information provided to the application in which the product is to be used.

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