
MATERIAL SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifiers**

Product name: Van Gieson Stain
Product code: HST207
Brand: Solmedia Ltd

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

For professional use only

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Solmedia Ltd.
- Address of Supplier: Unit 2, Vernon Drive
Battlefield Enterprise Park
Shrewsbury
SY1 3TF
UK
- Telephone: 0844 80 80 900
- Email: labsupplies@solmedialtd.com

1.4 Emergency telephone number

Emergency Phone # +44 (0)844 80 80 900

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification under CLP: Regulation (EC) No. 1272/2008 [CLP]

Hazard Class	Hazard Category	Hazard Statement
Skin corrosion	Category 1B	H314
Eye damage	Category 1	H314

2.2 Label elements

Labelling in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008:



Hazard Statements: H314 Causes severe skin burns and eye damage.

Precautionary statements:

Prevention	P280 Wear protective gloves/protective clothing/eye and face protection
	P303 +P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Response	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Attention.
	P363 Wash contaminated clothing before resale. P405 store locked up.

2.3 Other hazards

Dyes and Stains by their physical nature may result in permanent staining if in contact with skin and clothing.

No substance contained in this product meets the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex XIII; and, no substance within this product is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

Hazardous ingredients Classification according to Regulation (EC) No. 1272/2008 [CLP]

			Classification (Regulation (EC) No 1272/2008 [CLP])	
Hazardous Components		Amount [%]	Hazard class/ Hazard category	Hazard Statements
Name:	Picric acid	1.5-2%	EXPLOSIVE CAT. 1. ACUTE TOX. CAT. 3.	H201
CAS NO.	88-89-1			H31
EC-NO.	201-865-9			H301 H311
Name:	Acid fuchsin (Acid violet 19)	0.1 – 0.5%	N/A	N/A
CAS NO.	3244-88-0			
EC-NO.	221-816-5			

Refer to section 16 for additional classification information

SECTION 4: First aid measures**4.1 Description of first aid measures**

If exposed keep patient calm and seek immediate medical attention. Show this safety data sheet to doctor/physician in attendance

Skin contact: Note: Dyes and Stains by their physical nature may result in permanent staining in contact with skin

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

Ingestion: IF SWALLOWED: Do NOT induce vomiting. Rinse out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical advice/attention.

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical advice/attention..

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Explosive when dry, Forms very sensitive explosive metallic compounds

5.3 Advice for firefighters

Wear self-contained breathing apparatus /protective clothing where appropriate .Avoid contact with skin and eyes.

5.4 Further Information

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not eat, drink, smoke when handling this product. Wash hands thoroughly after handling.
Evacuate personnel to safe area.

6.2 Environmental precautions

Avoid discharge to the environment. Prevent further leakage or spillage where safe to do so.
Do not let undiluted product or large quantities enter drains or water course. Inform responsible authorities as appropriate.

6.3 Methods and materials for containment and cleaning up

Absorb spillage with appropriate absorbent material e.g. vermiculite or sand; and dispose into suitably labelled closed containers for disposal according to local regulations. Wash spillage site with water and appropriate detergent.

6.4 Reference to other sections

For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling requirements: Take precaution to avoid exposure. Wash hands thoroughly after handling. Do not eat or drink when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place. Replace container lid after use and keep container tightly closed to prevent leakage.

7.3 Specific end use(s)

Recommend restriction to professional users only.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

TWA Time Weighted Average Concentration (Long Term Exposure Limit)
STEL Short Term Exposure Limit
LTEL Long Term Exposure Limit

Workplace Exposure Levels: WEL EH40/2005 Picric Acid CAS No. 88-89-1

TWA STEL UK	0.3mg/m ³
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8.2 Exposure controls

Appropriate engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Respiratory protection Respiratory protection is not required. Inhalation of oil mist or vapours at elevated temperatures may cause respiratory irritation. For nuisance exposures use respirator and/ or air hood where local exhaust ventilation is inadequate Use products tested and approved to appropriate government standards such as NIOSH (US) or EN 143 / EN 14387 (EU).

Body protection: Use chemically resistant protective clothing with closed cuffs and closed neck, appropriate to the concentration /amount of the substance at the specific workplace.

Eye/face protection: Avoid exposure to sprays/mist/aerosols. Use face shield and/or safety goggles for eye protection complying with appropriate government standards such as EN166 (EU).

Skin protection: Handle with chemical-resistant, impervious gloves or gauntlets complying with appropriate government standards: EU Directive 89/686/EEC; standard EN 374. Inspect gloves prior to use to ensure adequate protection. Use proper glove removal technique to avoid skin contact with substance/mixture. Dispose of contaminated gloves after use in accordance with local and national applicable laws and good laboratory practises. Wash and dry hands thoroughly after handling. Promptly remove any contaminated clothing and clean appropriately before reuse.

Environmental: None

SECTION 9: Physical and chemical properties

The physical/chemical properties of this product has not been fully investigated. Judgements have been made based upon consideration of its major component(s).

9.1 Information on basic physical and chemical properties

- | | |
|-------------------------------------|---------------------------|
| a) Appearance Form: | Deep yellowish/red liquid |
| b) Odour: | No odour |
| c) Odour Threshold: | No data available |
| d) pH | 1.8 |
| e) Melting point: | No data available |
| f) Boiling point: | No data available |
| g) Flashpoint: | No data available |
| h) Evaporation rate: | No data available |
| i) Flammability (solid, gas): | No data available |
| j) Upper/lower flammability 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: | Miscible |
| o) Partition coefficient (log Kow): | No data available |
| p) Autoignition 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

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under specified conditions of use and storage

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Avoid shock and friction. Heating (explosive decomposition).

10.5 Incompatible materials

Strong bases, Reducing agents, Heavy metals, Heavy metal salts.

10.6 Hazardous decomposition products

Products of Carbon Oxides and Nitrogen Oxides may be on burning or heating. The nature of released. decomposition products has not been determined.

SECTION 11: Toxicological information

The toxicological properties of this product has not been fully investigated. Judgements have been made based upon consideration of its major component(s).

11.1 Information on toxicological effects

Toxicokinetics

- | | |
|---------------------------------------|--|
| (a) Acute toxicity | No data available |
| (b) Skin Corrosion/irritation | No data available |
| (c) Serious eye damage/irritation | No data available |
| (d) Respiratory or skin sensitization | No data available |
| (e) Germ cell mutagenicity | No data available |
| (f) Carcinogenicity | Tumourigenic |
| | IARC: |
| | No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC or EC. |
| (g) Reproductive toxicity | No data available |

(h) STOT- single exposure	No data available
(i) STOT – repeated exposure	No data available
(j) Aspiration Hazard	No data available

Symptoms / routes of exposure

Skin contact: May cause irritation on contact with skin.

Eye contact: May cause irritation

Ingestion: Maybe harmful if ingested. Contains components which may cause vomiting or other adverse effects such as diarrhoea

Inhalation: Maybe harmful if inhaled. Contains components which may cause irritation to mucous membranes and upper respiratory tract.

Signs and Symptoms of Exposure Picric Acid dust causes sensitisation dermatitis. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: None available.

SECTION 12: Ecological information

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available. Do not let undiluted product or large quantities enter drains or water course. Inform responsible authorities as appropriate

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Disposal operations; Dispose of as hazardous waste and offer non –recyclable solutions to a licensed waste material processor. Comply with local regulations.

Disposal of packaging; Dispose of as unused product.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information

Not regulated as dangerous goods under ADR/RID, IMDG, or IATA

	ADR/RID	IMDG	IATA
14.1 UN-Number	n/a	n/a	n/a
14.2 UN proper shipping name	n/a	n/a	n/a
14.3 Transport hazard class(es)	n/a	n/a	n/a
14.4 Packaging group	n/a	n/a	n/a
14.5 Environmental hazards	No	Marine pollutant: No	No
14.6 Special precautions for users	No data available		
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No data available		

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and (EU) 453/2010

15.2. Chemical Safety Assessment: For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information**Additional information from Section 3.**

Hazard Statements:

H201 Explosive; mass explosion hazard

H331 Toxic if inhaled.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.