



PVA Matt

SECTION 1 - Product and Company Identification

Product Name PVA Matt
Recommended use A paint or paint constituent product
Company Name Pelican Systems
Address 765 / 793 Chris Hani Road, Durban, Redhill, 4071
Telephone 031 563 7307
Email info@pelican.co.za
Emergency Contact H. Kansara - 012 8047305 (Promac Paints (Pty) Ltd)

SECTION 2 - Hazards Identification

Overall Nature EC Classification: Not classified as hazardous
Classification reference SANS10234 (1272/2008/EC) :

Classification of the substance or mixture
 (H316) Skin corrosion/irritation, Hazard Category 3
 (H402) Hazardous to the aquatic environment, AcuteHazard, Category 2

GHS label elements, including precautionary statements

Signal word Warning
Pictograms None

Hazard and Precautionary Statements

Hazard Statements

Causes mild skin irritation
 Toxic to aquatic life

Precautionary Statements

Prevention Statements
 Avoid release to the environment – if this is not the intended use

Response Statements

If skin irritation occurs - get medical advice/ attention

Disposal Statements

Dispose of contents / container in accordance with local / regional / national / international regulations

SECTION 3 - Composition / Information on Ingredients

Product Type	Mixture	EU Index No	Not applicable	UN No	Not applicable
CAS No	Not applicable				

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	% m/m	EC Labels	CAS Number	EC Index
TRIMETHYL-PENTADIOL- MONOISOBUTYRATE	<1.1 %		025265-77-4	n/q
1-2 ETHANEDIOL	<0.4 %	Xn	000107-21-1	603-027-00-1

Classification reference SANS10234 (1272/2008/EC)

EC Index Classification | Hazard Code | Note |
 603-027-00-1 Acute Tox. 4 | H302 |

SECTION 4 - First Aid Measures

Inhalation Move to fresh air
Skin Always wash after being in contact with chemical substances
Eyes Rinse with plenty of water. Seek medical advice if symptoms persist
Ingestion Give plenty of water / milk. Induce vomiting if patient conscious. Get medical advice.

SECTION 5 - Fire Fighting Measures

Suitable extinguishing media

Specific hazards arising from the chemical

- No direct explosion hazard expected
- Dried residues - combustible with toxic fumes

SECTION 6 - Accidental Release Measures

Contain & collect. Caution - Can make floors slippery
 Wear protective equipment (see Section 8). Keep unprotected persons away
 Do not allow product to reach sewage system or any water course
 Remove ignition sources and provide sufficient ventilation

SECTION 7 - Handling and Storage

Storage Alkaline - corrosive. Caution with contact with non-ferrous metals
Handling
 Ensure good ventilation/exhaustion at the workplace
 Do not spray on a naked flame or any incandescent material
 Eating, drinking and smoking in work areas is prohibited
 Wash hands after use
 Remove contaminated clothing and protective equipment before entering eating areas

Inhalation In case of insufficient ventilation, use suitable respiratory protection
Skin Observe the rules of hygiene. Wash before eating, drinking or smoking
Eyes Avoid direct contact. Never touch eyes with dirty hands or gloves
Ingestion Observe the rules of hygiene. Wash before eating, drinking or smoking

SECTION 8 - Exposure Control / Personal Protection

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	CAS Number (mg/m3)	TWA OEL (ppm)	TWA OEL (mg/m3)	STOEL (ppm)	STOEL Type	OEL Type	Vap.Press (mmHg)
PVA MATT	Not applicable						
Components:							
TRIMETHYL- PENTADIOL- MONOISOBUTYRATE	025265-77-4	400	100			RL	
1-2 ETHANEDIOL	000107-21-1	60		125		RL	.07
<i>CL / RL = Controlled / Recommended level 'S' = Skin annotation</i>							

OEL Type: Mixture
 Maintain air concentrations below occupational exposure standards, using engineering controls as necessary
 Appropriate hand protection and protective clothing must always be used
 Keep away from foodstuffs, beverages and food
 Wash hands before breaks and at the end of work

Personal Protective Equipment

Skin PPE Overall and impervious gloves (eg nitrile rubber)
Respiratory PPE Air purifying respirator (eg cartridge type)
Eye PPE Faceshield or solvent resistant goggles

HMIS Rating (USA) 1 - 0 - 0 - I (Health-Flam-Reactivity-PPE)
SAPMA Rating 3-H-E PPE : Gloves, Respirator and Eye protection



SPRAYBOOTH

Spraybooth Type Spraybooth complying with National Standards
Skin PPE Nitrile Gloves
Eyes PPE Faceshield or solvent resistant goggles
Respiratory Protection Air supplied full facepiece or head covering respirator suitable for organic vapours/particulates

SECTION 9 - Physical and Chemical Properties

Property	value
Appearance	water based emulsion
Odour	slight
pH	8.8
Boiling point	>100°C
Melting point	not available
Flash point	n/a°C
Explosive prop	not available
Oxidizing prop	not available
Vapour pressure	not available
Density	1.318-1.418Kg/L
Water solubility	miscible
Fat solubility	oil: insoluble
Partition coefficient	not available
Viscosity	95 - 100 KU
Vapour density	not available
Evaporation rate	not available
Autoignition temperature	not available
L.E.L.	not available
U.E.L.	not available
% non volatile	42 - 47%

SECTION 10 - Stability and Reactivity

Stable under normal conditions
No reaction with fire-fighting water

SECTION 11 - Toxicological Information

Name	CAS Number	LD50 Oral mg/kg	LD50 Skin mg/kg	LC50 Inhal(gas) ppmV	LC50 Inhal(mist) mg/lt
PVA MATT	Not applicable	38462 ATEoral	166667 ATEdermal	333333 ATEgas	
Components:					
TRIMETHYL- PENTADIOL- MONOISOBUTYRATE	025265-77-4	3200 mg (Rat)	16ml/Gg		
1-2 ETHANEDIOL	000107-21-1	5840 mg (Rat)			

Inhalation Possible traces of free monomers. Can be irritating
Skin Direct contact to be avoided
Eyes Can cause damage
Ingestion Irritating and nauseating

SECTION 12 - Ecological Information

May have short term environmental effects. Contain, monitor & remove

Acquatic toxicity No further relevant information available
Persistence and degradability No further relevant information available
Bioaccumulative potential No further relevant information available
Mobility in soil No further relevant information available

No available ecological data of ingredients

SECTION 13 - Disposal Information

Can be eliminated from sewage / effluent by chemical flocculation.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

SECTION 14 - Transport Information

UN Number Not applicable. Not classified as dangerous for transport

SECTION 15 - Regulatory Information

Classification reference SANS10234 (1272/2008/EC)

Classification of the substance or mixture

(H316) Skin corrosion / irritation, Hazard Category 3

(H402) Hazardous to the aquatic environment, AcuteHazard, Category 2

SECTION 16 - Other Information

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE

HMIS Rating (USA) : 1 - 0 - 0 - I (Health-Flam-Reactivity-PPE)

Hazard (H) phrases associated with components

H302 : Harmful if swallowed

Abbreviations

Code : Abbreviation : Meaning

Xn : : harmful

===== : :

: : Associated pictogram code shown in brackets

H302 : Acute Tox. 4 : (GHS07) Acute toxicity (oral), Hazard Category 4

===== : :

: %m/m : Percent by mass

: ATE : Acute Toxicity Estimate

: CAS : Chemical Abstracts Service

: CHIP : Chemicals (Hazard Information and Packaging for supply)

: CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

: CNS : Central Nervous System

: DIN : Standard of the German Institute for Standardisation

: DOT : Department of Transport

: EC : European Community

: EC50 : Effective Concentration (Median) for 50% of the response under test

: ECB : European Chemicals Bureau

: ECHA : European Chemicals Agency, Helsinki (http://echa.europa.eu/home_en.asp)

: EEC : European Economic Community

: EINECS : European Inventory of Existing Chemical Substances

: ELINCS : European List of Notified Chemical Substances

: GHS : Globally Harmonized System of Classification and Labelling of Chemicals

: HMIS : Hazardous Materials Information System (USA only)
 : IATA : International Air Transport Association
 : IMDG : International Maritime Dangerous Goods Code
 : IMO : International Maritime Organization
 : INS : Guidance on Identification and Naming of Substances under REACH, ECHA, 2007
 : ISO : International Standards Organisation
 : L.E.L. : Lower explosive limit
 : LD50/LC50 : Median (50%) lethal dose/concentration
 : mg/m3 : Milligrams per cubic meter
 : MSDS : Material safety data sheet
 : n.a. : Not available
 : NC : No Classification
 : No : Number
 : OEL : Occupational exposure limit
 : OEL-CL : Occupational exposure limit - control limit
 : OEL-RL : Occupational exposure limit - recommended limit
 : OHS Act : Occupational Health and Safety Act
 : P statement : Precautionary statement
 : PPE : Personal protective equipment
 : ppm : Parts per million
 : REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
 : RTDG : Regulations on the Transport of Dangerous Goods. Generic term that covers all modal transport regulations (ADR, RID, ADN, IMDG and ITDG)
 : SABS : South African Bureau of Standards
 : SANS : South African National Standards
 : SAPMA : South African Paint Manufacturers Association
 : SARA 313 : Toxic Release Inventory Reporting SRA Section 3
 : SDS : Safety Data Sheet
 : STOEL : Short-term occupational exposure limit
 : STOT-RE : Specific Target Organ Toxicity - Repeated Exposure
 : STOT-SE : Specific Target Organ Toxicity - Single Exposure
 : TDG : Transport of Dangerous Goods
 : TSCA : Toxic Substance Control Act (USA only)
 : TWA : Time weighted average
 : U.E.L. : Upper explosive limit
 : UN : United Nations
 : WHMIS : Workplace Hazardous Materials Information Systems (Canada only)
 ===== :

This SDS conforms with General Administrative Regulations of 6 Sept.1996 (SANS11014:2010/ISO11014:2009)
 OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)
 SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991)
 All information is given in good faith but without guarantee in respect of accuracy.
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