

**Professional Anti Mosquito Paint White (PAM 1) and Pastel (PAM 1000)**

**Section 1. Identification**

**GHS product identifier** : Professional Anti Mosquito Paint White (PAM 1) and Pastel Tint base (PAM 1000)

**Other means of identification** : Matt acrylic wall paint

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

**Identified uses** : For use on hard, non-porous interior ceilings, and walls in residential commercial, educational, institutional rooms and in non-critical areas of hospitals. Suitable for nursing homes, assisted living facilities and other classes of group homes, day care centres, doctor and dentist offices, non critical areas of hospitals such as waiting rooms, examination rooms, hallways and walkways. Also for use in commercial facilities, schools, universities, colleges, dorm rooms and health clinics.

**Supplier's details** : Kansai Plascon (Pty) Ltd  
P.O. Box 4010  
Luipaardsvlei  
1743

**Emergency phone** : (011) 951 4500 (within hours of operation)



**Facsimile** : (011) 955 2841

**National Contact Person** : Mr B. Bhugwandin

**Section 2. Hazards identification**

**Classification of the substance or mixture** : SKIN SENSITIZATION - Category 1  
ACUTE TOXICITY (ORAL) - Category 4  
ACUTE TOXICITY (DERMAL) - Category 4  
ACUTE TOXICITY (INHALATION) - Category 4  
AQUATIC TOXICITY (ACUTE) - Category 1  
AQUATIC TOXICITY (CHRONIC) - Category 1

**Label elements according to** : SANS 10234: 2008

**Hazard pictograms** :  

**Signal word** : Warning

**Hazard statements** : H302 - Harmful if swallowed.  
H312 - Harmful if in contact with skin.  
H317 - May cause an allergic skin reaction.  
H332 - Harmful if inhaled.  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long-lasting effects.



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### Precautionary statements

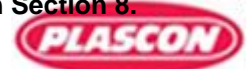
- General : P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read label before use.
- Prevention : P280 - Wear protective gloves.  
P273 - Avoid release to the environment.  
P261 - Avoid breathing vapor.
- P264 - Wash hands thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.
- Response : P314 - Get medical advice or attention if you feel unwell.  
P391 - Collect spillage.  
P301+330+331 - IF SWALLOWED- Rinse mouth. Do NOT induce vomiting.  
P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P362 - Take off contaminated clothing. Wash contaminated clothing before reuse.  
P333+313 - If skin irritation or rash occurs: Get medical attention.
- Storage : P410- Protect from sunlight.  
P404- Store in a closed container.  
P403+235- Store in a well ventilated place. Keep cool.
- Disposal : P501 - Dispose of contents/containers in accordance with local regulation.
- Other hazards which do not result in classification** : None identified

### Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available
- CAS number/other identifiers**
- CAS number : Not applicable

Ingredient name	CAS number	%	SANS 10234 Classification
Permethrin	52645-53-1	<1.0	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.



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**Section 4. First aid measures**

Description of necessary first aid measures

- Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation persist.
- Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact : Remove contaminated clothing and shoes. Wash contaminated skin with soap or a recognised skin cleaner and plenty of water. Avoid the use of solvents. Get medical attention if symptoms persist. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

**Most important symptoms/ effects, acute and delayed**

Potential acute health effects

- Eye contact : No known significant effects or critical hazards.
- Inhalation : No known significant effects or critical hazards.
- Skin contact : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion : Harmful if swallowed.

Over-exposure signs/symptoms

- Eye contact : Adverse symptoms may include pain or irritation, watering or redness.
- Inhalation : Adverse symptoms may include nausea or vomiting, headache, respiratory irritation, drowsiness/fatigue or dizziness/vertigo.
- Skin contact : Adverse symptoms may include irritation or redness.
- Ingestion : No data available.

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

- Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments : No specific treatment.
- Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

**See toxicological information (Section 11)**



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**Section 5. Fire-fighting measures**

**Extinguishing media**

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire such as foam, CO2 or dry powder.

Unsuitable extinguishing media : None known.

**Specific hazards arising from from the chemical**

: In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products**

: Decomposition products may include the following materials  
carbon dioxide  
carbon monoxide  
metal oxide/ oxides.

**Special protective actions For fire-fighters**

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters**

: Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Section 6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders**

: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions**

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and materials for containment and cleaning up**

**Small spill**

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with



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an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

### Section 7. Handling and storage

#### Precautions for safe handling

: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist.

#### Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Do not reuse container.

### Section 8. Exposure controls/personal protection

**Occupational exposure limits** : None.

#### Recommended monitoring Procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

#### Appropriate engineering controls

: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.



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### Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Avoid direct contact. Never touch eyes with dirty hands or gloves. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary e.g. in case of insufficient ventilation. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

### Section 9. Physical and chemical properties

- Physical state** : Viscous Liquid
- Colour** : White and Pastel Tint base
- Odor** : No data available.
- Odor threshold** : No data available.
- pH** : 8.0 – 9.0



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Melting point	: No data available.
Boiling point	: No data available.
Flash point	: Product does not sustain combustion.
Evaporation rate	: No data available.
Flammability (solid, gas)	: Not applicable.
Lower and upper explosive (flammable) limits	: Not applicable.
Vapor pressure	: No data available.
Vapor density	: No data available.
Relative density	: 1.4 (typical)
Solubility	: Water miscible
Partition coefficient, n-octanol/water	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.
Viscosity	: 90-98 KU

**Section 10. Stability and reactivity**

<b>Reactivity</b>	: Inert - no reaction with fire-fighting water
<b>Chemical stability</b>	: Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No data available.
<b>Incompatible materials</b>	: No data available.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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### Section 11. Toxicological information

#### Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Permethrin	LD50 Dermal	Rat	2000 mg/kg	-
	LD50 Oral	Rat	300 mg/kg	-
	LC50 Inhalation	Rat	0.32 mg/l of air	4 hours

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Permethrin	Eye - Mild irritant	Rabbit	-	-	-
	Skin - Non irritant	Rabbit	-	-	-

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target Organs
None			

#### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target Organs
None			

#### Aspiration hazard

Name	Result
None	

Information on the likely routes of exposure : Ingestion

#### Potential acute health effects

Eye contact : No known significant effects or critical hazards.  
 Inhalation : No known significant effects or critical hazards.  
 Skin contact : Causes skin irritation. May cause an allergic skin reaction.  
 Ingestion : Harmful if swallowed.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include pain or irritation, watering or redness.  
 Inhalation : Adverse symptoms may include nausea or vomiting, headache, respiratory irritation, drowsiness/fatigue or dizziness/vertigo.  
 Skin contact : Adverse symptoms may include irritation or redness.  
 Ingestion : No data available.

#### Potential Chronic health effects

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.  
 Carcinogenicity : No known significant effects or critical hazards.  
 Mutagenicity : No known significant effects or critical hazards.  
 Teratogenicity : No known significant effects or critical hazards.  
 Developmental effects : No known significant effects or critical hazards.  
 Fertility effects : No known significant effects or critical hazards.





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### Acute toxicity estimates

No data available.

## Section 12. Ecological information

### Toxicity

Product/Ingredient name	Result	Species	Exposure
Permethrin	Acute LC 50 0.019 mg/l	Fish	96 hours
	Acute EC50 0.00064 mg/L	Daphnia	48 hours

### Persistence and degradability

Product/Ingredient name	Aquatic half-life	Photolysis	Biodegradability
None			

### Bioaccumulative potential

Product/Ingredient name	LogPow	BCF	Potential
Permethrin	6.5	-	High

### Mobility in soil

Soil/ water partition coefficient

(K<sub>oc</sub>) : No data available.

Mobility : No data available.

**PBT/vPvB data** : P: No data available. B: No data available. T: No data available.

**Other adverse effects** : No known significant effects or critical hazards.




## Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



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### Section 14. Transport information

	Transportation - road - SANS 10228:2012	Transportation- Maritime - IMO/ IMDG	Transportation- Air - IATA
UN number	UN3082	Not regulated.	Not regulated.
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (permethrin)
Transport hazard class(es)	9 	9 	9 
Packing group	III	III	III
Marine pollutant	Yes	Yes	Yes
Additional information	No data available	Emergency schedules (EmS): F-A, S-F	<b>Passenger and Cargo Aircraft Ltd QTY:</b> Quantity limitation: 30 kg G Packaging instructions: Y964 <b>Passenger and Cargo Aircraft:</b> Quantity limitation: 450 L Packaging instructions: 964 <b>Cargo Aircraft Only:</b> Quantity limitation: 450 L Packaging instructions: 964
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	No data available	No data available	No data available

### Section 15. Regulatory information

Safety, health and environmental regulations specific for the product

**: Relevant information regarding authorization:** Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.

**Relevant information regarding restrictions:** None known.

**EU regulations:** Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC

**Other National regulations:** None. Standards used for PPE recommendations in Section 8: NIOSH-National Institute for Occupational Health and Safety (USA) EN 166- European standard which concerns the area of eye protection. EN 374-3 European standards for permeation and penetration. EN 141/EN 143 European standards for gas mixtures to remove specified gases and vapours or



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combined filters for removing solids, and/or liquid particles and specified gases and vapours.

### Section 16. Other information

#### History

Date of printing : 20/08/2018

Date of previous issue : 31/01/2018

#### Key to abbreviations

: ATE = Acute Toxicity Estimate

BCP Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogP<sub>ow</sub> = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

UN = United Nations

#### References

: Supplier safety data sheets

#### Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

#### Notice to readers:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

#### Legal disclaimer:

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