

Thomas Swan & Co. Ltd.

Rotary Way, Consett, County Durham, DH8 7ND, UK Tel: +44 (0) 1207 505131 Fax: +44 (0) 1207 590467

web: http://www.thomas-swan.co.uk
email: enquiries@thomas-swan.co.uk

VAT Registration No. 532607168 Registered in England No. 210794

### INFORMATION SHEET:

CASAMED, CASACIDE Chloroxylenols Product Range

CASAMED ODOUR MASK

#### **PRODUCT OVERVIEWS**

- Casamed™ PCMX, PCMX Packaged and PCMX USP are the only chloroxylenol APIs to have received rigorous FDA, USP and GMP accreditations, giving
  customers complete confidence in product quality and regulatory compliance.
- Casamed™ PCMX is a highly-effective, versatile active ingredient, used commonly in a wide range of antiseptic formulations as well as in solid, and liquid, medicinal soaps globally.
- Casamed™ PCMX is manufactured to meet high-quality specifications, including BP or USP monographs, and can be supplied in a variety of standard, or tailor-made, packaging options.
- Casamed™ and Casacide™ products are used extensively in a wide range of anti-microbial, disinfectant and detergent applications marketed outside of the European Union. The chloroxylenol grades are not supported, at present, under BPR (EU Regulation 528/2012) and so are not permitted, currently, for use as components of biocidal formulations for marketing within the European Union.
- Component substances of Casacide™ Mixed Chloroxylenols (PCMX, OCMX and DCMX) are EU REACh registered by Thomas Swan & Co Ltd.
- The use of PCMX in medicinal products in the EU is exempt from REACh registration: instead the Casamed™ grades are subject to alternative regulatory bodies such as UK MHRA.
- Casamed™ PCMX may also be formulated together with Casamed™ Odour Mask, a highly-effective deodoriser for personal care applications.

1.a. Casamed<sup>™</sup> Chloroxylenols: Typical Physical, Chemical Properties and Other Information

.a. Casamed Chioroxylenois. Typical Physical, Chemical Properties and Other Information							
Grade:	CASAMED™						
Information:	PCMX and PCMX Packaged - BP grade	PCMX USP - USP grade	PCMX TECH				
Product code(s)	PR0435, PR0100	PR0674, PR6740	PR1200, PR1250				
Chemical name, synonyms	para chloro meta xylenol; PCMX; 4-chloro-3,5-dimethyl phenol;						
	4-chloro-3,5-xylenol; 4-chloro-meta-xylenol; chloroxylenol						
CAS number	88-04-0						
Pharmacopoeia	British Pharmacopoeia	US Pharmacopoeia	(not applicable)				
GMP Manufacture	Yes	Yes	No				
Physical form	crystals or crystalline powder						
Label in accordance with	(EC) No. 1272/2008						
DG Classification	Class 9, UN 3077						
Crystal appearance	white / off-white / cream	white / off-white	white / off-white / cream				
Odour	characteristic						
Melting Point	114-116 °C	114-116 °C	114-116 °C				
HS Code (UK export)	2908.9900						
REACH Registration No. (PCMX)	01-2120759319-43-0000						
Re-test (shelf-life)	36 months from date of manufacture						

#### 1.b. Casamed<sup>™</sup> Chloroxylenols: Formulation Advantages versus Alternative Actives

Casamed™ PCMX (BP and USP variants) offer formulation cost, handling, foaming and formulation flexibility advantages over quaternary compounds, including:

- The use of anionic surfactants with Casamed™ PCMX systems likely lowers total formulation cost;
- The use of anionic surfactants with Casamed™ PCMX enhances foaming, particularly in hand dishwashing liquid applications;
- Polymeric or associative thickeners are not needed with Casamed<sup>™</sup> PCMX formulations;
- The use of 100% active powder Casamed<sup>™</sup> PCMX is safe to use and easier to store than liquid irritants.

1.c. Casamed<sup>™</sup> Chloroxylenols: Standard Packaging Information

	Product Type			Standard Packaging Types (1-4)						
	Casamed™ grades:	Packaging Types:			<b>5</b> :	Type 1.		Type 2.	Type 3.	Type 4.
	Casailleu graues.	1	2	3	4	25 kg UN boxes:		650 kg UN FIBCs:	1000 kg UN FIBCs:	1228 kg UN FIBCs:
	PR0100 (BP)		Υ		Υ	24 packs per pallet = 600 kg nett pallets; 20 pallets max. = 12,000 kg max. per TEU.		1 pack per pallet; 20 pallets max. =	10 pallets max. = 10 pallets max	1 pack per pallet;
	PR0435 (BP)	Υ								10 pallets max. =
Ì	PR0674 (USP)			Υ		Shrink-wrapped on 110 cm plastic pallets.  Shrink-wrapped on 114 cm CP9 heat-treated pallets.	• • •	13,000 kg max. per TEU:	10,000 kg max. per   12,280 kg max. per TEU: TEU:	
	PR6740 (USP)	Υ					114 cm CP9 heat-	120 cm heavy-duty	- /	
	PR1200 (TECH)	Υ						treated pallets.	wooden pallets.	wooden pallets.
	PR1250 (TECH)		Υ			Volume = 1.27 m <sup>3</sup> .	Volume = 1.36 m <sup>3</sup> .	Volume = 1.38 m <sup>3</sup> .	Volume = 2.30 m <sup>3</sup> .	Volume = 2.30 m <sup>3</sup> .

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CASAMED ODOUR MASK

## 2. Casamed<sup>™</sup> Odour Mask: Summary Information

Sammary III							
Product	Standard product information						
	Property	Casamed <sup>™</sup> Odour Mask	Packaging				
	Description	Liquid	Standard packaging is				
Casamed™	Colour	Colourless to pale yellow	25 lb nett drums.				
Odour Mask	Aroma	Floral, aldehydic	Other packaging				
	Refractive Index	1.4575-1.4675 at 22°C	options could also be				
	Specific Gravity	0.9860-1.0260 at 22°C	made available.				
	Flash Point	> 200 °F					
	Typical Usage Levels	Shelf life, S	Storage				
	1.0 parts Casamed Odour	12-month shelf life und conditions: store in tightly sealed conta	under prescribed storage				
	Mask per 8.5 parts Casamed PCMX	away from direct sunlight; between 10 - 21 °C; maximur	a storage temperature				

### 3.a. Casacide™ Mixed Chloroxylenols: Typical Physical, Chemical Properties and Other Information

Grade:	CASACIDE					
Information:	296	140	PXR-70	40WS		
Product code(s)	PR0296	PR1139	PR1094	PR1143		
Chemical name	Mixed chloroxylenols	Mixed chloroxylenols				
	(OCMX, DCMX, PCMX)	(OCMX, DCMX, PCMX) in isopropanol				
Physical form	Solid or viscous liquid	Mobile liquid				
Isopropanol content w/w	0%	47-49%	60%			
Label in accordance with	(EC) No. 1272/2008					
DG Classification	Class 9, UN 3082	Class 3, UN 1993	Class 3, UN 1993	Class 3, UN 1993		
Appearance	Brown solid or viscous liquid	Amber-brown liquid	Dark brown liquid	Amber-brown liquid		
Odour	Phenolic					
HS Code (UK export)	2908.9900					
REACH Registration No. (PCMX)	01-2120759319-43-0000					
REACH Registration No. (OCMX)	01-2120764721-53-0000					
REACH Registration No. (DCMX)	01-2120764719-38-0000					
Re-test (shelf-life)	36 months from date of manufacture					

# 3.b. Standard Casacide™ Mixed Chloroxylenols Packaging Information

Product Type	Standard packaging options					
Casacide grades:	Casacide 296	Casacide 140	Casacide PXR-70	Casacide 40WS		
	250 kg nett UN poly drums:	180 kg nett UN steel drums:	1000 kg nett UN IBCs:	180 kg nett UN steel		
	4 x drums per pallet,	4 x drums per pallet,	Volume = 1.40 m <sup>3</sup> .	drums:		
	strapped, with a volume of	strapped, with a volume of		4 x drums per pallet,		
	1.40 m³.	1.40 m³.		strapped, with a volume of		
				1.40 m³.		
	20 pallets max per TEU	20 pallets max per TEU	20 UN IBCs max per TEU	20 pallets max per TEU		
	= 20.0 t nett	= 14.4 t nett	= 20.0 t nett	= 14.4 t nett		
			100000000000000000000000000000000000000			

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