



MATERIAL SAFETY DATA SHEET **Pretom**

1. Chemical Product and Company Identification

Product identifier: Pretom Revision Date: June 2009
Product use : Protective agent against tomato hands.
Manufacturer : MARDENKRO B.V.
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2. Composition, Information on Ingredients

Hazardous ingredients	Weight percentage	CAS No.
Citric acid	40	77-92-9
Camphor	0.35	76-22-2

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Exposure limits

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>LD50</u>
Camphor	TWA 2 mg/m ³	TWA 12 mg/m ³	

Exempt when packaged for sale intended for personal consumption by employees while in the workplace.

3. Hazards Identification

Potential Health Effects :
Important risks : The product is slightly acidic
Specific risks : irritating to eyes
The ingredients are not listed by IARC, NTP or OSHA as carcinogenic.

4. First Aid Measures

Inhalation : Not applicable.
Skin contact : Rinse with water.
Eye contact : Thoroughly rinse with water. In case of persistent irritation, seek medical advice.
Swallowing : Rinse mouth very well, drink a lot of water. If swallowed a big quantity, seek medical advice.

5. Fire-fighting Measures

Flash point & method : None
Flammable limits : NA
Autoignition temperature : NA
Extinguishing media : Water or foam extinguishers are recommended
Hazardous combustion products : Toxic, corrosive or flammable vapours might be evolved. Carbon monoxide.
Fire fighting procedure : The product itself is not flammable. When fire in neighbourhood, all possible fire fight products are permitted.
Special protective equipment for fire-fighters : Self contained breathing apparatus and full protective equipment are recommended.

6. Accidental Release Measures

Personal precautions : None

Environmental precautions : Discharge waste into the sewage system only after dilution.
Cleaning methods : The product should be washed down with water.

7. Handling and storage

Handling : No specific precautions are required.
Technical precautions/
safety precautions : No specific technical safety precautions are required.
Storage : Store in a frost-resistant location.
Packaging material : Polythene.

8. Exposure Controls/Personal Protection

Engineering controls : No special requirements.
Sanitary precautions : Do not eat, drink, or smoke during work.
Exposure limits : None
Personal protection:
• Protection of the respiratory system : None
• Hand protection : None
• Eye protection : Avoid contact with the eyes.
• Skin and body protection : None

9. Physical and Chemical Properties

Appearance : clear almost colourless liquid
Odour : Camphor
Physical state : Liquid
pH : ca 2
Viscosity : Not established.
Relative density : 1,17 g/ml (water =1,0 g/ml).
Flashpoint : Not applicable.
Explosion limits:
• Bottom limit : Not applicable.
• Upper limit : Not applicable.
Solubility:
• Water solubility : Completely miscible with water.

10. Stability and Reactivity

Stability : Stable
Substances to avoid : Aluminium and other light metals.
Hazardous products of decomposition : None
Hazardous polymerisation: Will not occur.

11. Toxicological Information

Acute toxicity:
• Inhalation : NA
• Skin contact : None
• Eye contact : Irritating
• Ingestion : May cause sore throat and stomach-ache.
Chronic toxicity : Unknown

12. Ecological Information

Ecological toxicity effects: None
Further information : None

13. Disposal Consideration

Discharge of residue/unused agents : Wash down with water. Dispose as chemical waste in compliance with federal, state, and local regulations.
Contaminated packaging : Clean packaging with water and dispose as domestic waste.

14. Transport Information

D.O.T. Transportation Data (49 CFR 172.101) :

Proper shipping name : Not regulated by D.O.T.
Hazard class : None
Id No. : None
Packing group : None

15. Regulatory Information

Toxic Substances Control Act (T.S.C.A.): All ingredients are on the TSCA Chemical Substances Inventory.
SARA Title III/CERCLA : Reportable Quantities (RQ) and/or Threshold Planning Quantities (TPQ) for the ingredients do not exist.
This product does not contain any chemicals subject to the reporting requirements of SARA section 313 (40 CFR 372).

Canadian Regulations

Canadian Environmental Protection Act (CEPA): All ingredients are on the Domestic Substances List (DSL).
WHMIS classification : Exempt – product regulated as a cosmetic product.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

16. Other Information

NFPA Ratings: Health: 0 Flammability: 0 Reactivity: 0

Warning : The data above have been collected from existing literature with utmost care.
Mardenkro B.V. will not accept any liability for damage, whatever its nature or volume, resulting from the use of these data.

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