

HAW PAR HEALTHCARE LIMITED

MATERIAL SAFETY DATA SHEET

TIGER BALM RED

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1. IDENTIFICATION

Product name : Tiger Balm Red
Company : Haw Par Healthcare Limited
Address : No 2 Chia Ping Road, #09-03 Haw Par Tiger Balm Building, Singapore 619968
Contact for Information : Telephone: (65)-63037333 Telefax: (65)-62643211
Emergency Telephone No: (65)-63037333 Attention: QA Department
Hours (Singapore Standard Time): 8:00am - 5:00pm
For customer information, especially if they might be calling with an emergency:
Company : Prince of Peace Enterprises, Inc.
Address : 3536 Arden Road Hayward, CA 94545, USA
Toll-Free : 1(800) 732-2328 Hours: 8:00am - 5:00pm (Pacific Time)

2. COMPOSITION

	CAS No.
Camphor	76-22-2 / 21368-68-3
Menthol	2216-51-5
Dementholised Mint Oil	68917-18-0 / 90063-97-1
Clove Oil	8000-34-8
Cinnamon Oil	8496-46-6
Cajuput Oil	85480-37-1 / 8008-98-8
Hard Paraffin	8002-74-2
Yellow Soft Paraffin	8009-03-8

3. HAZARDS

Routes of Entry :
Inhalation : yes
Skin : yes
Ingestion : Possible

Health Hazards (acute & chronic) :

Eye irritations; fumes released when heated near decomposition point can cause irritation and inflammation to nasal passages, mucous membranes and upper respiratory tract; extended periods of skin contact may cause skin irritation.

4. FIRST AID MEASURES

If in contact with eyes, rinse with plenty of water immediately. If pain persist, summon eye specialist.

If in contact with skin excessively, wash with water thoroughly.

If ingested, call a physician immediately.

If there is no breathing, administer artificial respiration.

If there is difficulty in breathing, supply oxygen.

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5. FIRE-FIGHTING MEASURES

Flash Point : 80 to 90°C

Extinguishing Media : Foam, Carbon dioxide, Water spray.

Special Fire Fighting Procedures : Wear self-contained breathing apparatus and protective clothing /gear.

Special Fire and Explosion Hazards : Combustible

6. ACCIDENTAL RELEASE MEASURES

Procedure for cleaning :

Wear personal protective equipment appropriate for spill size, location and conditions. Remove ignition sources, use absorbent material as required. Sweep / scrap up and place in container. Wash the area after removing the material.

7. HANDLING AND STORAGE

Keep container tightly closed. Store in a cool, dry place

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Respiratory Protection : For normal use and handling, not required. If conditions indicate respiratory protection is needed, wear a properly fitted NIOSH approved air purifying respirator with an organic cartridge.

Ventilation - Not normally required.

Mechanical : As needed.

Protective Gloves : Not normally required when label instructions are followed. Neoprene for further processing.

Eye Protection : Normally not required when label instructions are followed. Chemical splash goggles for further processing; safety glasses as a minimum protection.

Other Protective Clothing / Equipment : As required depending on conditions.

Work / Hygienic Practices : Do not get into eyes. Avoid prolonged exposure to fumes and excessive skin contact. Wash after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Over-the-counter ointment

Colour : Reddish-brown

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Odour	:	Fragrant
Melting Point	:	40 to 55°C
Boiling Point	:	180 to 190°C
Flash Point	:	80 to 90°C
Explosion Limit	:	Lower Not Available Upper Not Available
Density	:	0.88 to 0.89
Solubility in Water	:	Practically insoluble
Ethanol	:	Soluble in boiling ethanol
Stability	:	Stable

Incompatibility : Potassium permanganate; strong oxidizers

Hazardous Polymerization : Will not occur

Hazardous Decomposition : None identified

10. TOXICOLOGY INFORMATION

LD₅₀ : Not established.

Carcinogenicity : No

IARC Monograph : No

a) Exposure Limit of Camphor adopted by OSHA :

General Industry Standards : 2 mg/m³

Construction Industry Standards : 2 mg/m³ TWA

Threshold Limit Value : 2 ppm, 12 mg/m³ TWA; 4 ppm STEL; Appendix A4 (Not Classifiable as a Human Carcinogen)

Recommended Exposure Limit : 2 mg/m³ TWA

b) Exposure Limit of Camphor adopted by NIOSH :

NIOSH REL : 2 mg/m³ TWA

Immediately Dangerous to Life or Health (IDLH) : 200 mg/m³

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Lower Exposure Limit (LEL) : 0.6% (10% LEL, 3600 mg/m³)

c) Exposure Limit of Camphor adopted by ACGIH :

1993 - 1994 ACGIH TLV : 12 mg/m³ (2ppm) TWA, 19 mg/m³ (3ppm) STEL

- * OSHA : Occupational Safety and Health Administration
- * NIOSH: National Institute for Occupational Safety and Health
- * ACGIH: American Conference of Governmental Industrial Hygienists
- * PEL : Permissible Exposure Limit
- * REL : Recommended Exposure Limit
- * STEL : Short Term Exposure Limit
- * TWA : Time Weighted Average
- * TLV : Threshold Limit Value

Signs & Symptoms of Exposure : Eye, skin, mucous membrane irritation; often accompanied with tearing of eyes, headaches and dizziness.

Medical Conditions Generally Aggravated by Exposure : Possibly existing respiratory conditions.

11. ECOLOGICAL INFORMATION, DISPOSAL CONSIDERATIONS, TRANSPORT INFORMATION, REGULATORY INFORMATION

Ecological Information : Do not allow to enter drinking water supplies, waste water, or soil.

Disposal Consideration : Follow all local environmental regulations. Do not place in sewers or waterways without prior authorization. Can be incinerated at licensed facility.

Transport Information : Not subjected to transport regulations.

12. OTHER INFORMATION

Not Applicable

13. PREPARATION DATE OF MSDS

Prepared By : Quality Control Department.

Date: 2008.07.29

Version 2.0 USA