

**HAW PAR HEALTHCARE LIMITED****SAFETY DATA SHEET****1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

Product Name	Tiger Balm Liniment
Use	Liniment
Product Code	MSDS TBL F1
Manufacturer	Haw Par Healthcare Limited No. 2 Chia Ping Road Haw Par Tiger Balm Building Singapore 619968
Telephone	065 6303 7333

**2. HAZARDS IDENTIFICATION**

EC Classification	Not classified as dangerous for supply / use
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**3. COMPOSITION / INFORMATION ON INGREDIENTS****HAZARDOUS INGREDIENT(S)**

Chemical Name	CAS No.	Risk Phrases	Hazard Abbreviation
Methyl Salicylate	119-36-8	R22 / R36	Xn / Xi
Camphor	76-22-2 / 21368-68-3	R36	Xn
Menthol	2216-51-5	R36	Xi
Eucalyptus Oil	84625-32-1 / 8000-48-4	R10 / R38	-
Spike Lavender Oil	8016-78-2	R36	-
Topical Light Mineral Oil (Light Liquid Paraffin)	8012-95-1	-	-

**4. FIRST AID MEASURES**

Ingestion	Wash out mouth with water. If symptoms develop, obtain medical attention.
Inhalation	Remove from exposure. If symptoms develop, obtain medical attention.
Skin Contact	Unlikely to cause skin irritation. If symptoms persist, obtain medical attention.
Eye Contact	If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms develop, obtain medical attention.

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#### 5. FIRE-FIGHTING MEASURES

Extinguishing Media	As appropriate for surrounding fire. Water spray, foam, dry powder or CO <sub>2</sub> .
Unsuitable Extinguishing Media	None
Fire Fighting Protective Equipment	A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

#### 6. ACCIDENTAL RELEASE MEASURES

Do not allow to enter drains, sewers or watercourses. Spillages may cause slippery road.

Personal Protection	If significant contact is likely then; apron or other light protective clothing, boots and plastic or rubber gloves. Contaminated clothing should be thoroughly cleaned.
Methods for Cleaning Up	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

Handling	When using do not eat, drink or smoke. Avoid contact with eyes.
Process Hazards	Spillages may cause slippery road.
Storage	Keep container tightly closed. Store in a cool, dry place.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respirators	Not normally required. In the unlikely event of formation of particularly high levels of vapour a self contained breathing apparatus may be appropriate.
Eye Protection	Not normally required. For large quantities - Use Goggles.
Gloves	Wear suitable gloves if prolonged skin contact is likely. Plastic or synthetic rubber gloves.
Exposure Limit of Camphor adopted by OSHA	General Industry Standards : 2 mg/m <sup>3</sup> Construction Industry Standards : 2 mg/m <sup>3</sup> TWA Threshold Limit Value : 2 ppm, 12 mg/m <sup>3</sup> TWA; 4 ppm STEL; Appendix A4 (Not Classifiable as a Human Carcinogen) Recommended Exposure Limit : 2 mg/m <sup>3</sup> TWA

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Exposure Limit of Camphor adopted by NIOSH	NIOSH REL : 2 mg/m <sup>3</sup> TWA Immediately Dangerous to Life or Health (IDLH) : 200 mg/m <sup>3</sup> Lower Exposure Limit (LEL) : 0.6% (10% LEL, 3600 mg/m <sup>3</sup> )
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Exposure Limit of Camphor adopted by ACGIH	1993 - 1994 ACGIH TLV : 12 mg/m <sup>3</sup> (2ppm) TWA, 19 mg/m <sup>3</sup> (3ppm) STEL
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- \* 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

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Over-the-counter liniment
Colour	Colorless to pale-yellow
Odour	Smell of methyl salicylate
Melting Point	Not Available
Boiling Point	Not Available
Flash Point	75 to 85°C
Explosion Limit	Lower: Not available Upper: Not available
Density	0.96 to 1.00
Solubility in Water	Practically insoluble
Ethanol	Soluble in ethanol
Stability	Stable under ordinary conditions of use and storage
Incompatibility	Can react with oxidizing materials
Hazardous Polymerization	Will not occur
Hazardous Decomposition	None identified

#### 10. STABILITY AND REACTIVITY

Stable under normal conditions.

Hazardous Reactions	None known
Incompatible Materials and Conditions	None
Hazardous Decomposition Product(s)	CO <sub>2</sub> , CO

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#### 11. TOXICOLOGICAL INFORMATION

Inhalation	No specific effects and / or symptoms have been reported or known. None of these effects are likely to occur in humans, provided exposure is maintained at or below the occupational exposure limit.
Ingestion	No specific effects and / or symptoms have been reported or known. None of these effects are likely to occur in humans, provided exposure is maintained at or below the occupational exposure limit.
Skin Contact	No specific effects and / or symptoms have been reported or known. None of these effects are likely to occur in humans, provided exposure is maintained at or below the occupational exposure limit.
Eye Contact	No specific effects and / or symptoms have been reported or known. None of these effects are likely to occur in humans, provided exposure is maintained at or below the occupational exposure limit.
Long Term Exposure	No specific effects and / or symptoms have been reported or known. None of these effects are likely to occur in humans, provided exposure is maintained at or below the occupational exposure limit.
Exposure Limit of Camphor adopted by OSHA	General Industry Standards : 2 mg/m <sup>3</sup> Construction Industry Standards : 2 mg/m <sup>3</sup> TWA Threshold Limit Value : 2 ppm, 12 mg/m <sup>3</sup> TWA; 4 ppm STEL; Appendix A4 (Not Classifiable as a Human Carcinogen) Recommended Exposure Limit : 2 mg/m <sup>3</sup> TWA

#### 12. ECOLOGICAL INFORMATION

Avoid release to the environment.

Environmental Fate and Distribution	No environmental hazards have been reported or known.
Persistence and Degradation	Unlikely to persist.

#### 13. DISPOSAL CONSIDERATIONS

Recommended	Disposal should be in accordance with local, state or national legislation.
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**14. TRANSPORT INFORMATION**

Not classified as dangerous for transport.

**15. REGULATORY INFORMATION**

Not classified as dangerous for supply / use.

**16. OTHER INFORMATION**

Use

Liniment

Risk Phrases

R36: Irritating to eyes.

This MSDS was written in accordance with Directive 2008/58/EC.

Prepared By: QA Department

Revision: 2

Last Reviewed Date:  
2017.03.20