

**XIAMEN TIGER MEDICALS CO., LTD****MATERIAL SAFETY DATA SHEET****1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

Product Name	Tiger Balm Red Extra Strength
Use	Ointment
Product Code	MSDS TBR 11%
Manufacturer	Xia Men Tiger Medicals Co.,Ltd NO.289,Yang Guang West Road, Hai Cang District, XiaMen City, Fu Jian Province, China 361027
Telephone	0592 5620201

**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
Camphor	76-22-2 / 21368-68-3	R36	Xn
Menthol	2216-51-5	R36	Xi
Cajuput Oil	85480-37-1 / 8008-98-8	R36	Xi
Dementholised Mint Oil	68917-18-0 / 90063-97-1	R36	Xi
Clove Oil	8000-34-8	R36	Xi
Cassia Oil	8496-46-6	R36	Xi
Hard Paraffin	8002-74-2	-	-
Yellow Soft Paraffin	8009-03-8	-	-

**4. FIRST AID MEASURES**

Ingestion	Flush mouth with water. If symptoms develop, seek medical attention.
Inhalation	Remove from exposure. If symptoms develop, seek medical attention.
Skin Contact	Unlikely to cause skin irritation. If symptoms persist, seek medical attention.
Eye Contact	If substance has gotten into the eyes, immediately flush with plenty of water for at least 15 minutes. If symptoms develop, seek 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 surfaces.

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 surfaces.
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>)

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

- \* 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 ointment
Colour	Reddish-brown
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. 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.

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**13. DISPOSAL CONSIDERATIONS**

Recommended

Disposal should be in accordance with local, state or national legislation.

**14. TRANSPORT INFORMATION**

Not classified as dangerous for transport.

**15. REGULATORY INFORMATION**

Not classified as dangerous for supply / use.

**16. OTHER INFORMATION**

Use

Ointment

Risk Phrases

R36: Irritating to eyes.

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

Prepared By: QA Department

Revision: 1

Last Reviewed Date:  
2020.09.14