

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

Product Name	Tiger Balm Active Muscle Rub
Use	Cream
Product Code	MSDS TBAMR
Manufacturer	Tiger Balm (Malaysia) Sdn. Bhd. PLO 95, No.6, Jalan Firma 1/1, Tebrau Industrial Estate, 81100 Johor Bahru, Malaysia
Telephone	07-3549616

**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	Weight Percent
Camphor	76-22-2 / 21368-68-3	R22 / R36	Xn / Xi	*
Menthol	2216-51-5	R36	Xi	*
Methyl Salicylate	119-36-8	R22 / R36	Xn / Xi	*
Glycerin	56-81-5	R36	Xi	*
Glucate DO (Methyl Glucose Dioleate)	82933-91-3	-	-	*
Stabileze QM ([Poly(methyl vinyl ether/ maleic anhydride) decadiene crosspolymer])	136392-67-1	R36 / R37	Xi	*
Triethanolamine	102-71-6	R22 / R36 / R37	Xn / Xi	*
Germaben II (Diazolidinyl Urea 30%, Methyl Paraben 11%, Propyl Paraben 3%, Propylene Glycol 56%)	78491-02-8, 99-76-3, 94-13-3, 57-55-6	R36	Xi	*

Ingredients with weight percent mark with asterisk (\*) are withheld as trade secret.

## HAW PAR HEALTHCARE LIMITED

### SAFETY DATA SHEET

#### 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.

#### 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

## HAW PAR HEALTHCARE LIMITED

### SAFETY DATA SHEET

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
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

**HAW PAR HEALTHCARE LIMITED****SAFETY DATA SHEET****9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Over-the-counter analgesic cream
Colour	White cream
Odour	Smell of Methyl Salicylate
Specific Gravity	1.00 g/ml
Melting Point	Not available
Boiling Point	Not available
Flash Point	> 61°C
Explosion Limit	Lower: Not available Upper: Not available
Auto Ignition Temperature	500 – 510°C
Minimum Ignition Energy	10 – 10,000 mJ
Solubility in Water	Practically insoluble
Ethanol	Soluble in 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

**11. TOXICOLOGICAL INFORMATION**

Carcinogenicity Not listed by ACGIH, IARC, NIOSH, NTP or OSHA

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.

**HAW PAR HEALTHCARE LIMITED**

**SAFETY DATA SHEET**

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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.

**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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**HAW PAR HEALTHCARE LIMITED**

**SAFETY DATA SHEET**

**14. TRANSPORT INFORMATION**

Not classified as dangerous for transport.

**15. REGULATORY INFORMATION**

Not classified as dangerous for supply / use.

**16. OTHER INFORMATION**

Use Cream

Risk Phrases

R22: Harmful if swallowed.

R36/37: Irritating to eyes and respiratory system.

Hazard Abbreviation

Xn: Harmful

Xi: Irritant

Prepared By:  
Quality Assurance Department

Revision: 4

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