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SAFETY DATA SHEET

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION


Identity	EFFICASCENT OIL
Company Name	International Pharmaceuticals, Inc.
Company Address	Golam Drive, Pope John Paul II Avenue, Kasambagan, Cebu City, Cebu, Philippines
Telephone Number	+63 32 412-6900 / +63 32 260-6910
Intended Use	Pharmaceutical product used for the relief of rheumatism, back pains, muscular pains from overwork, headache, stiff neck, cramps, gas pains, insect bites, sprains and skin irritations.

Section 2. HAZARD(S) IDENTIFICATION

GHS Classification

Flammable liquid	Category 4
Skin corrosion/irritation	Category 3
Serious eye damage/ eye irritation	Category 2A
Acute toxicity (oral)	Category 4
Specific target organ Toxicity, single exposure	Category 2

GHS Label Element

Hazard Pictogram(s)	
Signal Word(s)	Warning
Hazard Statement(s)	Combustible liquid (H227) Harmful if swallowed (H302) Causes mild skin irritation (H316) Causes serious eye irritation (H319) May cause damage to organs (H371)
Precautionary Statement(s)	
Prevention	Do not breathe dust/fume/gas/mist/vapors/spray. (P260) Wash hands thoroughly after handling. (P264) Do not eat, drink or smoke when using this product. (P270) Wear protective gloves/protective clothing/eye protection/face protection. (P280)
Response	IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell. (P301+ P312) Rinse mouth. (P330) IF exposed or if you feel unwell: call a POISON CENTER or doctor/ physician. (P309+P311) IF SKIN irritation occurs: Get medical advice/attention. (P332+P313) Take off contaminated clothing and wash before



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reuse. (P362)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
IF eye irritation persists: Get medical advice/attention. (P337+P313)

Storage

Store locked up. (P405)

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

Other hazards

None

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity

Mixture

Ingredients	CAS Number	EC Number	Concentration
Camphor	76-22-2	200-945-0	3.846 %
Menthol	2216-51-5	201-939-0	0.423 %
Methyl Salicylate	119-36-8	204-317-7	13.846 %
Eucalyptus Oil	8000-48-4	283-406-2	1.000 %
* Other Non-Hazardous Ingredients	N/A	N/A	≤ 80 %

In accordance with the paragraph (i) of Sec. 1910.1200, the specific chemical identity and/or exact percentage (concentration) of mixture has been withheld as a trade secret.

* Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (28 CFR Sec. 1910.1200)

Section 4. FIRST AID MEASURES

Necessary first-aid measures

Inhalation

Overexposure is most likely to occur dealing with large quantities and in an enclosed space with inadequate ventilation. Remove to fresh air. Allow patient to rest in a well-ventilated area. Seek medical attention.

Skin Contact

Prolonged and excessive application to large areas of skin may cause contact dermatitis. Wipe off and wash exposed area with soap and water. Get medical attention if irritation develops.

Eye Contact

Check for and remove any contact lenses. Rinse immediately with clean water for at least 15 minutes. Seek medical attention.

Ingestion

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. Perform gastric lavage. Treat symptomatically. Seek medical attention.

Most important symptoms / effects, both acute and delayed

No information available.

Note(s) to physician

Treat symptomatically.



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Section 5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Use dry chemical powder, water spray, fog or foam.
Unsuitable extinguishing media	High volume water jet
Specific hazards arising from the chemical	Fire Hazard. Irritating and highly toxic gases may be generated by thermal decomposition or combustion. Do not breathe fumes. Keep product and empty container away from sources of ignition.
Hazardous combustion products	Carbon oxides
Special protective actions for fire-fighters	Fire fighters should wear positive pressure self-contained breathing apparatus.
Specific extinguishing methods	Cool containers exposed to flame with water spray. Spray extinguishing media directly into base of fire.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Non-emergency personnel	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (i.e. goggles, gloves). Remove spilled material with absorbent material (i.e. sand, earth, diatomaceous earth, vermiculite) and place into appropriate closed container(s) for disposal.
Emergency responders	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. Deny entry to all unprotected individuals. Maximize ventilation (open doors and windows).
Environmental precautions	Keep spills and cleaning runoffs out of nearby sewers and open bodies of water.
Methods and materials for containment and cleaning up	Dike and contain spill with inert material (e.g. sand or earth). Transfer soiled material to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Dispose of properly in accordance with local or national regulations. Wash all affected area and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

Section 7. HANDLING AND STORAGE

Precautions for safe handling	No special control measures required for normal handling. Normal room ventilation is expected to be adequate for routine handling. Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes. Keep away from fire, sparks and heated surfaces.
Conditions for safe storage	Keep away from heat and sources of ignition. Keep in



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a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers at temperatures not exceeding 30°C.

Materials to avoid

No special restrictions on storage with other products.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

If a component is disclosed in Section 3. (Composition/Information on Ingredients) but does not appear in the table below, an occupational exposure limit or recorded limit is not available for the component.

Chemical Name	Exposure Limits	
	OSHA [A]	NIOSH [B]
Camphor	• PEL-TWA: 2 mg/m ³	• REL-TWA: 2 mg/m ³

[A] Occupational Safety and Health Administration (OSHA)

[B] The National Institute of Occupational Safety and Health (NIOSH)

Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Individual protection measures

- Eye / face protection Not required under normal conditions of use. Wear safety glasses or goggles if eye contact is possible.
- Hand protection Not required for the normal use of this product. Wear gloves when working with large quantities. The glove material has to be impermeable and resistant to the product such as nitrile rubber, neoprene gloves, butyl rubber or natural rubber gloves.
- Skin / body protection Not required for the normal use of this product. Use protective clothing (lab coats, disposable coveralls, etc.) in both production and laboratory areas.
- Respiratory protection Not required for the normal use of this product. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.
- Thermal hazards No special protective equipment required.
- Hygiene measures** General industrial hygiene practice.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.)	Green oily liquid
Odor	Characteristic
Odor threshold	No data available.
pH	6.50
Melting point / freezing point	No data available.

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Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper / lower flammability or explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Specific gravity	0.8850
Solubility(ies)	Insoluble in water.
Partition coefficient (n-octanol / water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.

Section 10. STABILITY AND REACTIVITY

Reactivity	Stable under recommended storage conditions.
Chemical stability	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	No hazards to be specially mentioned.
Conditions to avoid	Avoid contact with sparks, flame and heat.
Incompatible materials	Avoid contact with strong oxidizing agents and avoid hot work and sources of ignition on or near empty containers
Hazardous decomposition products	CO, CO ₂ , smoke and unidentified organic compounds may be formed during combustion.

Section 11. TOXICOLOGICAL INFORMATION

This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document.

Information of the likely routes of exposure	Inhalation, eye contact, skin contact, ingestion
Potential health effects	
Inhalation	Health injuries are not known or expected under normal use.
Skin contact	May cause skin irritation. Not a skin sensitizer.
Ingestion	Harmful if swallowed. Possible mild gastrointestinal irritation with diarrhea, nausea, and vomiting, if large quantities are ingested.
Eye contact	Not an expected route of exposure; however, direct contact may cause eye irritation
Experience with human exposure	
Inhalation	No symptoms known or expected under normal exposure.
Skin contact	No symptoms known or expected under normal exposure.
Ingestion	No symptoms known or expected under normal exposure.
Eye contact	No symptoms known or expected under normal exposure.



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Acute toxicity

Product

Oral toxicity No data available.

Inhalation toxicity No data available.

Dermal toxicity No data available.

Ingredient(s)

- Menthol
 - Oral toxicity LD₅₀ (rat): 3,180 mg/kg
 - Dermal toxicity LD₅₀ (rabbit): >5000 mg/kg
 - Inhalation LD₅₀ (rat): 5,289 mg/m³/ 4h
- Camphor
 - Oral toxicity LD₅₀ (mouse): 1310 mg/kg
 - Dermal toxicity No data available.
 - Inhalation No data available.
- Methyl salicylate
 - Oral toxicity LD₅₀ (mouse): 1,110 mg/kg
 - LD₅₀ (rat): 887 mg/kg
 - LD₅₀ (rabbit): 1300 mg/kg
 - LD₅₀ (child): 228 mg/kg
 - LD₅₀ (adult human): 506 mg/kg
 - Dermal toxicity No data available.
 - Inhalation No data available.
- Eucalyptus Oil
 - Oral toxicity No data available.
 - Dermal toxicity LD₅₀ Dermal - Rabbit - > 5.000 mg/kg
 - Inhalation No data available.

Skin corrosion / irritation

Product

No data available.

Ingredient(s)

- Menthol
 - Causes skin irritation
- Camphor
 - No data available.
- Methyl salicylate
 - No data available.
- Eucalyptus Oil
 - No data available.

Serious eye damage / irritation

Product

No data available.

Ingredient(s)

- Menthol
 - Causes serious eye irritation
- Camphor
 - No data available.
- Methyl salicylate
 - No data available.
- Eucalyptus Oil
 - Eyes - Rabbit Result: No eye irritation - 72 h (OECD Test Guideline 405)

Respiratory or skin sensitization

Product

No data available.

Ingredient(s)

- Menthol
 - Shall not be classified as a respiratory or skin sensitizer



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- Camphor
No data available.
- Methyl salicylate
No data available.
- Eucalyptus Oil
May cause sensitization by skin contact.

Germ cell mutagenicity

Product

No data available.

Ingredient(s)

- Menthol
Shall not be classified as germ cell mutagenic
- Camphor
No data available.
- Methyl salicylate
No data available.
- Eucalyptus Oil
Not mutagenic in Ames Test

Carcinogenicity

Product

No data available.

Ingredient(s)

- Menthol
Shall not be classified as carcinogenic
- Camphor
Not listed as a carcinogen
- Methyl salicylate
Not listed as a carcinogen
- Eucalyptus Oil
No data available.

Reproductive toxicity

Product

No data available.

Ingredient(s)

- Menthol
Shall not be classified as a reproductive toxicant
- Camphor
No data available.
- Methyl salicylate
No data available.
- Eucalyptus Oil
No toxicity to reproduction

STOT-single exposure

Product

No data available.

Ingredient(s)

- Menthol
Shall not be classified as a specific target organ toxicant (single exposure).
- Camphor
Respiratory system
- Methyl salicylate
No data available.
- Eucalyptus Oil
No data available.

STOT-repeated exposure

Product

No data available.

Ingredient(s)

- Menthol
Shall not be classified as a specific target organ toxicant (repeated exposure).



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- Camphor
None known
- Methyl salicylate
No data available.
- Eucalyptus Oil
No data available.

Aspiration hazard

Product

No data available.

Ingredient(s)

- Menthol
Shall not be classified as presenting an aspiration hazard.
- Camphor
No data available
- Methyl salicylate
No data available.
- Eucalyptus Oil
The substance or mixture (at 100% conc.) is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental effects

Harmful to aquatic life.

Toxicity to fish

Product

No data available.

Ingredient(s)

- Menthol
Aquatic toxicity (acute) LD₅₀: 22.3 mg/l
Exposure time 96 hours
- Camphor
Aquatic toxicity (acute) LD₅₀: 36 mg/l
Exposure time 96 hours
- Methyl salicylate
No data available.
- Eucalyptus Oil
No data available.

Toxicity to daphnia and other aquatic invertebrates

Product

No data available.

Ingredient(s)

- Menthol
Aquatic toxicity (acute) EC₅₀: 26.6 mg/l
Exposure time 48 hours
- Camphor
No data available.
- Methyl salicylate
No data available.
- Eucalyptus Oil
No data available.

Toxicity to algae

Product

No data available.

Ingredient(s)

No data available.

Persistence and degradability



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Product

Ingredient(s)

No data available.

- Menthol
Theoretical Oxygen Demand 2.97 g/g
Theoretical Carbon Dioxide 2.816 mg/mg
- Camphor
No data available
- Methyl salicylate
No data available.
- Eucalyptus Oil
No data available.

Bioaccumulative potential

Product

Ingredient(s)

No data available.

- Menthol
Does not significantly accumulate in organisms.
n-octanol/water (log KOW) 3.4 (pH value: 7.2, 37 °C)
BCF $\geq 0.5 - \leq 15$ (ECHA)
- Camphor
No data available.
- Methyl salicylate
No data available.
- Eucalyptus Oil
No data available.

Mobility in soil

Product

Ingredient(s)

No data available.

- Menthol
No data available.
- Camphor
No data available.
- Methyl salicylate
No data available.
- Eucalyptus Oil
No data available.

Other adverse effects

Product

Ingredient(s)

No data available.

- Menthol
No data available.
- Camphor
No data available.
- Methyl salicylate
No data available.
- Eucalyptus Oil
Toxic to aquatic life with long lasting effects (at 100% conc.).

Section 13. DISPOSAL CONSIDERATIONS

Disposal Methods

The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations

Dispose of as unused product. Empty containers should be taken to an approved waste handling site



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for recycling or disposal. Observe all local and national regulations when disposing of this product. Do not reuse empty containers.

Section 14. TRANSPORT INFORMATION

Transport labeling: The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport

UN Number	Not regulated as dangerous goods.
UN proper shipping name	Not regulated as dangerous goods.
Transport hazard class(es)	Not regulated as dangerous goods.
Packing group	Not regulated as dangerous goods.
Environmental hazard	Not regulated as dangerous goods.

Sea transport

UN Number	Not regulated as dangerous goods.
UN proper shipping name	Not regulated as dangerous goods.
Transport hazard class(es)	Not regulated as dangerous goods.
Packing group	Not regulated as dangerous goods.
Environmental hazard	Not regulated as dangerous goods.

Air transport

UN Number	Not regulated as dangerous goods.
UN proper shipping name	Not regulated as dangerous goods.
Transport hazard class(es)	Not regulated as dangerous goods.
Packing group	Not regulated as dangerous goods.
Environmental hazard	Not regulated as dangerous goods.

Section 15. REGULATORY INFORMATION

No data available.

Section 16. OTHER INFORMATION

Further Information

Abbreviations:

PEL – Permissible Exposure Limit

TWA - Time Weighted Average

PEL-TWA – Permissible Exposure Limit – 8-hour Time Weighted Average

REL-TWA – Recommended Exposure Limit – Time Weighted Average

CAPEL-TWA – California Permissible Exposure Limit – Time Weighted Average

IDLH – Immediately Dangerous to Life or Health

NFPA

Flammability



Health

Instability



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HMIS

HEALTH	1	0 = not significant
FLAMMABILITY	2	1 = slight
PHYSICAL HAZARD	1	2 = moderate
PERSONAL PROTECTION	0	3 = high
		4 = extreme
		* = chronic

Data	Publicly available information.
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