

**Your Wellness. Our Passion.****SAFETY DATA SHEET****Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<b>Identity</b>	<b>DR. S. WONG'S SULFUR SOAP</b>
<b>Company Name</b>	International Pharmaceuticals, Inc.
<b>Company Address</b>	Golam Drive, Pope John Paul II Avenue, Kasambagan, Cebu City, Cebu, Philippines
<b>Telephone Number</b>	+63 32 412-6900 / +63 32 260-6910
<b>Intended Use</b>	Medicated soap for the relief of common skin infections

**Section 2. HAZARD(S) IDENTIFICATION**

<b>GHS Classification</b>	
Eye irritation	Category 2B
<b>GHS Label Element</b>	
Hazard Pictogram(s)	None
Signal Word(s)	Warning
Hazard Statement(s)	Causes eye irritation (H320)
Precautionary Statement(s)	
Prevention	Wash thoroughly with water after handling (P264)
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+338) If eye irritation persists: Get medical advice/attention. (337+313)
Storage	None known
Disposal	None known
<b>Other hazards</b>	None known

**Section 3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical Identity** Mixture

<b>Ingredients</b>	<b>CAS Number</b>	<b>EC Number</b>	<b>Concentration</b>
Sulfur	7704-34-9	231-722-6	0.1 – 5%
Titanium Dioxide	13463-67-7	236-675-5	0.1 – 5%
Non-hazardous Ingredients*	N/A	N/A	≥ 90%

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	Unlikely a route of exposure as the product does not contain volatile substances. If inhaled, move affected individual from exposure site to fresh air.
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Skin Contact	Wash with water. Get medical attention if irritation develops.
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Ingestion	Wash mouth with water. Remove dentures, if present. Do not induce vomiting. Seek medical attention immediately if symptoms occur.
<b>Most important symptoms / effects, both acute and delayed</b>	No information available.
<b>Note(s) to physician</b>	Treat symptomatically.

**Section 5. FIRE FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	Product is non-flammable.
<b>Unsuitable extinguishing media</b>	Product is non-flammable.
<b>Specific hazards arising from the chemical</b>	Not combustible, however if involved in a fire it may decompose and release toxic fumes.
<b>Hazardous combustion products</b>	Not flammable or combustible
<b>Special protective actions for fire-fighters</b>	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in a positive pressure mode and full protective clothing to prevent exposure vapors and fumes.
<b>Specific extinguishing methods</b>	Water spray may be used too cool down heat-exposed containers.

**Section 6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures</b>	
Non-emergency personnel	Sweep or collect material to a suitable labelled container for recycling or disposal.
Emergency responders	Individuals involved in the cleanup must wear appropriate Personal Protective Equipment.
<b>Environmental precautions</b>	Keep debris and cleaning runoffs out of nearby sewers and open bodies of water.
<b>Methods and materials for containment and cleaning up</b>	Transfer solid materials to containers for recovery or disposal. Wash away remains with warm water or absorb with sand, rags or sweeping compound. Dispose according to local regulations.

**Section 7. HANDLING AND STORAGE**

<b>Precautions for safe handling</b>	Handle containers carefully to prevent damage.
<b>Conditions for safe storage</b>	Keep in a dry and well-ventilated area, at normal temperatures. Keep out of reach of children. Store in suitable labeled containers.
<b>Materials to avoid</b>	Keep away from water and strong oxidizing agents



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during storage.

**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]
Titanium Dioxide	<ul style="list-style-type: none"> <li>• IDLH: 5000 mg/m<sup>3</sup></li> <li>• PEL-TWA: 15 mg/m<sup>3</sup> (total dust)</li> <li>• CAPEL-TWA: 10 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction)</li> </ul>	<ul style="list-style-type: none"> <li>• IDLH: 5000 mg/m<sup>3</sup> – a potential occupational carcinogen</li> <li>• TWA: 15 mg/m<sup>3</sup></li> </ul>

[A] Occupational Safety and Health Administration (OSHA)

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

**Appropriate engineering controls** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures**

- Eye / face protection No special protective equipment required.
- Hand protection No special protective equipment required.
- Skin / body protection No special protective equipment required.
- Respiratory protection No personal respiratory protective equipment normally required.
- Thermal hazards No special protective equipment required.

**Hygiene measures** General industrial hygiene practice.

**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance (physical state, color, etc.)	Yellow, rough soap
Odor	Characteristic
Odor threshold	No data available.
pH	9.00
Melting point / freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	Not applicable.
Evaporation rate	No data available.
Flammability (solid, gas)	Not applicable.
Upper / lower flammability or explosive limits	Not applicable.
Vapor pressure	No data available.
Vapor density	No data available.
Specific gravity	No data available.
Solubility(ies)	No data available.
Partition coefficient (n-octanol / water)	No data available.
Auto-ignition temperature	Not applicable.

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Decomposition temperature No data available.

Viscosity Not applicable.

**Section 10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Reacts with incompatibilities
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No hazards to be specially mentioned.
<b>Conditions to avoid</b>	Extremes of temperatures and direct sunlight. Keep in dry place.
<b>Incompatible materials</b>	Strong oxidizing agents
<b>Hazardous decomposition products</b>	Thermal decomposition may release noxious, toxic or corrosive gases or vapors such as sulfur oxides and hydrogen sulfide.

**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.

<b>Information of the likely routes of exposure</b>	Eye contact, skin contact
<b>Potential health effects</b>	
Inhalation	Health injuries are not known or expected under normal use.
Skin contact	Health injuries are not known or expected under normal use.
Ingestion	Health injuries are not known or expected under normal use.
Eye contact	Health injuries are not known or expected under normal use.
<b>Experience with human exposure</b>	
Inhalation	No symptoms known or expected.
Skin contact	No symptoms known or expected.
Ingestion	Product used as intended is not expected to cause gastrointestinal irritation. Accidental ingestion of undiluted product may cause mild gastrointestinal irritation with nausea, vomiting and diarrhea.
Eye contact	Contact may cause mild, transient irritation.
<b>Acute toxicity</b>	
<u>Product</u>	No data available
<u>Ingredient(s)</u>	<ul style="list-style-type: none"><li>• <b>Titanium Dioxide</b><ul style="list-style-type: none"><li>Oral LD<sub>50</sub> (rat): &gt; 10.000 mg/kg</li><li>Dermal LD<sub>50</sub> (rabbit): &gt; 10.000 mg/kg</li></ul></li><li>• <b>Sulfur</b><ul style="list-style-type: none"><li>Oral LD<sub>50</sub> (rat): &gt; 3000 mg/kg</li><li>Dermal LD<sub>50</sub> (rabbit): &gt; 2000 mg/kg</li><li>Inhalation LD<sub>50</sub> (rat): &gt; 9.23 mg/L , 4 hours</li></ul></li></ul>
<b>Skin corrosion / irritation</b>	
<u>Product</u>	No skin irritation
<u>Ingredient(s)</u>	<ul style="list-style-type: none"><li>• <b>Titanium Dioxide</b><ul style="list-style-type: none"><li>Species Human</li><li>Exposure time 3 hours</li><li>Result Mild skin irritation.</li></ul></li></ul>
<b>Serious eye damage /</b>	



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**irritation**

Product

No data available.

Ingredient(s)

• **Titanium Dioxide**

Species

Rabbit

Result

No eye irritation

**Respiratory or skin sensitization**

Product

No data available.

Ingredient(s)

No data available.

**Germ cell mutagenicity**

Product

No data available.

Ingredient(s)

• **Titanium Dioxide**

Hamster Lungs: DNA inhibition. Hamster ovary:  
Sister chromatid exchange

**Carcinogenicity**

Product

No data available.

Ingredient(s)

• **Titanium Dioxide**

Possibly carcinogenic to humans

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Product

No data available.

Ingredient(s)

No data available.

**STOT-single exposure**

Product

No data available.

Ingredient(s)

No data available.

**STOT-repeated exposure**

Product

No data available.

Ingredient(s)

No data available.

**Aspiration hazard**

Product

No data available.

Ingredient(s)

No data available.

**Section 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Environmental effects

Harmful to aquatic life.

Toxicity to fish

Product

No data available.

Ingredient(s)

• **Titanium Dioxide**

LC<sub>50</sub> (other fish)

1.000 mg/L

Exposure time

96 hours

• **Sulfur**



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	LC <sub>50</sub> (Oncorhynchus mykiss)	180 mg/L
	Exposure time	96 hours
Toxicity to daphnia and other aquatic invertebrates		
<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	<ul style="list-style-type: none"> <li>• <b>Titanium Dioxide</b> <ul style="list-style-type: none"> <li>EC<sub>50</sub> (Water flea) 1.000 mg/L</li> <li>EC<sub>0</sub> (Water flea) 1.000 mg/L</li> <li>Exposure time 48 hours</li> </ul> </li> <li>• <b>Sulfur</b> <ul style="list-style-type: none"> <li>LC<sub>50</sub> (Daphnia magna) &gt;10000 mg/L</li> <li>Exposure time 24 hours</li> </ul> </li> </ul>	
Toxicity to bacteria		
<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	<ul style="list-style-type: none"> <li>• <b>Sulfur</b> <ul style="list-style-type: none"> <li>EC<sub>50</sub> (Activated sludge) 1900 mg/L</li> <li>Exposure time 3 hours</li> </ul> </li> </ul>	
Toxicity to other organisms		
<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	<ul style="list-style-type: none"> <li>• <b>Sulfur</b> <ul style="list-style-type: none"> <li>EC<sub>50</sub> (Protozoa, Tetrahymena pyriformis) 0.16 mg/L</li> <li>Exposure time 24 hours</li> </ul> </li> </ul>	
<b>Persistence and degradability</b>		
<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	No data available.	
<b>Bioaccumulative potential</b>		
<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	No data available.	
<b>Mobility in soil</b>		
<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	No data available.	
<b>Other adverse effects</b>		
<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	No data available.	

**Section 13. DISPOSAL CONSIDERATIONS**

<b>Disposal Methods</b>	This product can be disposed of after consultation with the responsible authorities according to disposal code. Where possible recycling is preferred to disposal or incineration. Dispose wastes in an approved waste disposal facility.
<b>Disposal considerations</b>	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Reusing of empty containers is recommended.

**Section 14. TRANSPORT INFORMATION**

Transport labeling: The shipper/consignor/sender is responsible to ensure that the packaging,





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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*

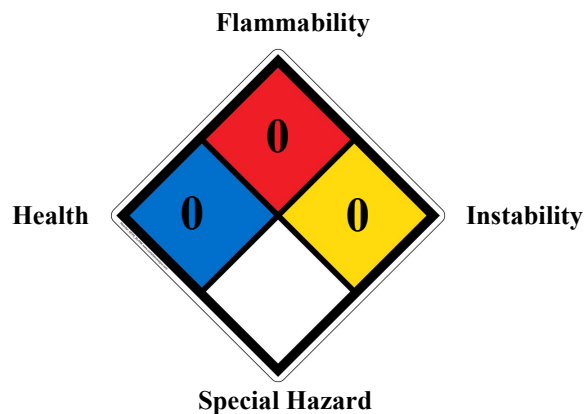
*TWA - Time Weighted Average*

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

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

*IDLH – Immediately Dangerous to Life or Health*

**NFPA**





# INTERNATIONAL PHARMACEUTICALS, INC.

B. Suico St., Tingub, Mandaue City 6014

Trunklines: GLOBE: (032) 420-6900 PLDT: (032) 260-6910 Website: www.ipi.ph Email: inquiry@ipi.ph

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## HMIS

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

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International Pharmaceuticals Inc.  
*APR/JBM*

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