


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

|                         |  |
|-------------------------|--|
| <b>Identity</b>         | <b>CASINO ETHYL ALCOHOL 40% SOLUTION – UNSCENTED</b>         |
| <b>Company Name</b>     | International Pharmaceuticals, Inc.                          |
| <b>Company Address</b>  | B. Suico St., Tingub, Mandaue City, Cebu 6014<br>Philippines |
| <b>Telephone Number</b> | +63 32 412-6900 / +63 32 260-6910                            |
| <b>Intended Use</b>     | For cleansing, disinfecting and general antiseptic use       |

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

|                            |   |
|----------------------------|---|
| <b>GHS Classification</b>  |   |
| Flammable liquids          | Category 2  |
| Eye irritation             | Category 2B   |
| Skin Irritation            | Category 3  |
| <b>GHS Label Element</b>   |   |
| Hazard Pictogram(s)        |   |
| Signal Word(s)             | Warning   |
| Hazard Statement(s)        | Flammable liquid and vapor (H226)<br>Causes eye irritation (H320)<br>Causes mild skin irritation (H316)<br>Harmful if swallowed (H302)  |
| Precautionary Statement(s) |   |
| Prevention                 | Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. (P210)<br>Keep container tightly closed. (P233)<br>Ground/bound container and receiving equipment. (P240)<br>Use explosion-proof electrical, ventilating, lightning equipment. (P241)<br>Use only non-sparking tools. (P242)<br>Take precautionary measures against static discharge. (P243)<br>Wear protective gloves/protective clothing/eye protection/face protection. (P280)<br>Wash thoroughly after handling. (P264)<br>Do not eat, drink or smoke when using this product. (P270) |
| Response                   | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+351+338)<br>If eye irritation persists: Get medical advice or attention. (P337+313)<br>In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. (P370+380)<br>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin water/shower. (P303+P361+P353)<br>If SKIN irritation occurs: Get medical advice/attention.  |



# INTERNATIONAL PHARMACEUTICALS, INC.

B. Suico St., Tingub, Mandaue City 6014

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(P332+313)  
Rinse mouth. (P330)  
If swallowed, call a poison center/doctor if you feel unwell.  
(P301+P312)

Storage Store in a well-ventilated place. Keep cool. (P403+235)  
Disposal Dispose of contents/container to an approved waste disposal plant. (P501)  
Other hazards None known.

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity Mixture

| Ingredients                       | CAS Number | EC Number | Concentration |
|-----------------------------------|------------|-----------|---------------|
| Ethanol / Ethyl Alcohol           | 64-17-5    | 200-578-6 | 40-43 %       |
| * Other Non-Hazardous Ingredients | N/A        | N/A       | <1%           |

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 If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
Skin Contact If irritation occurs, discontinue use. Rinse irritated area with water. If irritation persists, get medical attention.  
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.

Most important symptoms / effects, both acute and delayed No information available.

Note(s) to physician Treat symptomatically.

### Section 5. FIRE FIGHTING MEASURES

Suitable extinguishing media Water spray. Alcohol-resistant foam. Carbon dioxide.

Unsuitable extinguishing media Solid water jet

Specific hazards arising from the chemical Fire Hazard.  
Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Hazardous combustion Carbon oxides



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**products**

**Special protective actions for fire-fighters**

Wear appropriate personal protective equipment, including self- containing breathing apparatus.

**Specific extinguishing methods**

Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

**Section 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Non-emergency personnel**

Wear appropriate Personal Protective Equipment (i.e. goggles, gloves.) before cleaning any spill or leaks. Remove spilled material with absorbent material 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 personnel and unauthorized personnel. Maximize ventilation (open doors and windows).

**Environmental precautions**

Keep spills and runoffs out of nearby sewers and bodies of water.

**Methods and materials for containment and cleaning up**

Eliminate all sources of ignition. Ground all equipment, do not walk through spill. Take precautions to prevent entry into waterways, sewers, surface drainage systems, basements or confined areas. Stop leak if without risk. Absorb with dry earth or other non-combustible material. Collect material using non-sparking tools and place in a suitable, properly labeled container for recovery or disposal according to local regulations.

**Section 7. HANDLING AND STORAGE**

**Precautions for safe handling**

Keep away from heat and sources of ignition. Keep container tightly closed and upright when not in use. Use with adequate ventilation. Keep away from incompatibles. Avoid contact with eyes. Do not swallow.

**Conditions for safe storage**

Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat and sources of ignition. Keep container tightly closed. Store in a well-ventilated place at temperatures not exceeding 30 °C. Keep out of reach of children.

**Materials to avoid**

No data available.

**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.

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| Chemical Name | Exposure Limits  |   |
|---------------|--|---|
|               | OSHA [A]   | NIOSH [B]   |
| Ethanol       | <ul style="list-style-type: none"> <li>• PEL-TWA: 1000 ppm (1900mg/m<sup>3</sup>)</li> </ul> | <ul style="list-style-type: none"> <li>• REL-TWA: 1000 ppm(1900mg/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. When ventilation is inadequate or at high vapor concentrations, wear appropriate respirator.

Thermal hazards

No special protective equipment required.

**Hygiene measures**

General industrial hygiene practice.

**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

|  |   |
|--|---|
| Appearance (physical state, color, etc.)       | Colorless to slightly yellowish, clear to slightly hazy liquid. |
| Odor   | Characteristic  |
| Odor threshold                                 | No data available.  |
| pH   | 5.5 – 7.5   |
| Melting point / freezing point                 | No data available.  |
| Initial boiling point and boiling range        | 78.5°C (for Ethanol)  |
| Flash point                                    | No data available.  |
| Evaporation rate                               | No data available.  |
| Flammability (solid, gas)                      | No data available.  |
| Upper / lower flammability or explosive limits | Lower: 3.3% by volume<br>Upper: 19% by volume                   |
| Vapor pressure                                 | No data available.  |
| Vapor density                                  | No data available.  |
| Relative density                               | 0.925-0.975   |
| Solubility(ies)                                | Soluble 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**

|   |   |
|---|---|
| <b>Reactivity</b>                         | Stable under recommended storage conditions.        |
| <b>Chemical stability</b>                 | No decomposition if stored and applied as directed. |
| <b>Possibility of hazardous reactions</b> | No hazards to be specially mentioned.               |



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|   |   |
|---|---|
| <b>Conditions to avoid</b>              | Heat, flames, sparks and ignition sources.                    |
| <b>Incompatible materials</b>           | Strong oxidizing agents; strong acids and bases; moisture     |
| <b>Hazardous decomposition products</b> | Carbon dioxide, Carbon monoxide, may release flammable vapors |

**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> | Inhalation, eye contact, skin contact, Ingestion                   |   |
| <b>Potential health effects</b>                     |  |   |
| Inhalation  | Health injuries are not known or expected under normal use.        |   |
| Skin contact  | May cause skin irritation.   |   |
| 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  | May cause irritation.  |   |
| Ingestion   | Harmful effects when ingested.                                     |   |
| Eye contact   | Redness, pain, irritation  |   |
| <b>Acute toxicity</b>                               |  |   |
| <u>Product</u>                                      | Oral toxicity  | No data available                       |
|   | Inhalation toxicity  | No data available                       |
|   | Dermal toxicity  | No data available                       |
| <u>Ingredient(s)</u>                                | <ul style="list-style-type: none"> <li>• <b>Ethanol</b></li> </ul> |   |
|   | Oral toxicity  | LD <sub>50</sub> (mouse): 10740 mg/kg   |
|   | Dermal toxicity  | LD <sub>50</sub> (rabbit): >16000 mg/kg |
| <b>Skin corrosion / irritation</b>                  |  |   |
| <u>Product</u>                                      | May cause minimal skin irritation                                  |   |
| <u>Ingredient(s)</u>                                | <ul style="list-style-type: none"> <li>• <b>Ethanol</b></li> </ul> |   |
|   | Species  | Rabbit                                  |
|   | Exposure time  | 24 hours                                |
|   | Result   | Moderate skin irritation                |
| <b>Serious eye damage / irritation</b>              |  |   |
| <u>Product</u>                                      | Causes eye irritation.   |   |
| <u>Ingredient(s)</u>                                | <ul style="list-style-type: none"> <li>• <b>Ethanol</b></li> </ul> |   |
|   | Species  | Rabbit                                  |
|   | Exposure time  | 4 seconds                               |
|   | Result   | Moderate eye irritation                 |
| <b>Respiratory or skin sensitization</b>            |  |   |
| <u>Product</u>                                      | No data available.   |   |
| <u>Ingredient(s)</u>                                | No data available.   |   |
| <b>Germ cell mutagenicity</b>                       |  |   |
| <u>Product</u>                                      | No data available.   |   |
| <u>Ingredient(s)</u>                                | No data available.   |   |
| <b>Carcinogenicity</b>                              |  |   |
| <u>Product</u>                                      | No data available.   |   |
| <u>Ingredient(s)</u>                                | No data available.   |   |



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### Reproductive toxicity

Product

No data available.

Ingredient(s)

- **Ethanol**  
Biochemical and metabolic effect on newborn  
Species Rat  
Application route Oral  
Dose 112 mg/kg

### STOT-single exposure

Product

No data available.

Ingredient(s)

- **Ethanol**  
Harmful effects when ingested, contact with skin and eyes may cause moderate or mild irritation.

### 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)

- **Ethanol**  
LC<sub>50</sub> (Fathead Minnow) 14,200 mg/L  
Exposure time 96 hours

Toxicity to daphnia and other aquatic invertebrates

Product

No data available.

Ingredient(s)

- **Ethanol**  
EC<sub>50</sub> 18,400 mg/L  
Exposure time 24 hours

Toxicity to algae

Product

No data available.

Ingredient(s)

No data available.

### Persistence and degradability

Product

No data available.

Ingredient(s)

- **Ethanol**  
Biodegradability Biodegradable in water and soil

### Bioaccumulative potential

Product

No data available.

Ingredient(s)

- **Ethanol**  
Low potential for bioaccumulation.

### Mobility in soil

Product

No data available.

Ingredient(s)

- **Ethanol**  
Highly mobile in soil

### Other adverse effects





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Product No data available.  
Ingredient(s) No data available

**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 for recycling or disposal. Do not reuse empty containers. Dispose in accordance with all local and national regulations.

**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 UN 1170  
UN proper shipping name Ethanol Solution  
Transport hazard class(es) 3  
Packing group II  
Environmental hazard Not classified.

**Sea transport**

UN Number UN 1170.  
UN proper shipping name Ethanol Solution  
Transport hazard class(es) 3  
Packing group II  
Environmental hazard Not classified.

**Air transport**

UN Number UN 1170  
UN proper shipping name Ethanol Solution  
Transport hazard class(es) 3  
Packing group II  
Environmental hazard Not classified.

**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*

**Flammability**



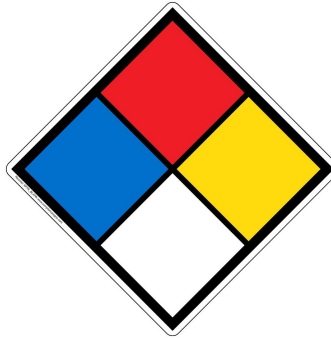
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### NFPA



### HMIS

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

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 International Pharmaceuticals Inc.  
 LRU/JBM

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