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SAFETY DATA SHEET

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identity	CASINO ETHYL ALCOHOL 70% SOLUTION - ACTIVE
Company Name	International Pharmaceuticals, Inc.
Company Address	B. Suico St., Tingub, Mandaue City, Cebu 6014 Philippines
Telephone Number	+63 32 412-6900 / +63 32 260-6910
Intended Use	For cleansing, disinfecting and general antiseptic use

Section 2. HAZARD(S) IDENTIFICATION

GHS Classification

Flammable liquids	Category 2
Eye irritation	Category 2B

GHS Label Element

Hazard Pictogram(s)



Signal Word(s)

Danger, Warning

Hazard Statement(s)

Flammable liquid and vapor (H225)
Causes eye irritation (H320)

Precautionary Statement(s)

Prevention

Keep away from heat, hot surface, sparks, open flames and other ignition sources. – No smoking. (P210)
Keep container tightly closed. (P233)
Ground/bound container and receiving equipment. (P240)
Use explosion-proof electrical, ventilating, lightning equipment. (P241)
Use only non-sparking tools. (P242)
Take precautionary measures against static discharge. (P243)
Wear protective gloves/protective clothing/eye protection/face protection. (P280)
Wash thoroughly 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+351+338)
If eye irritation persists: Get medical advice or attention. (P337+313)
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. (P370+380)
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin water/shower. (P303+P361+P353)

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.

**Your Wellness. Our Passion.****Section 3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical Identity**

Mixture

Ingredients	CAS Number	EC Number	Concentration
Ethanol / Ethyl Alcohol	64-17-5	200-578-6	70-73 %
* Other Non-Hazardous Ingredients	N/A	N/A	27-30%

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 products	Carbon oxides
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.



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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.

Chemical Name	Exposure Limits	
	OSHA [A]	NIOSH [B]
Ethanol	• PEL-TWA: 1000 ppm (1900mg/m ³)	• REL-TWA: 1000 ppm(1900mg/m ³)

[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



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Individual protection measures

- Eye / face protection
- Hand protection
- Skin / body protection
- Respiratory protection

worker exposure to airborne contaminants.

No special protective equipment required.

No special protective equipment required.

No special protective equipment required.

No personal respiratory protective equipment normally required. When ventilation is inadequate or at high vapor concentrations, wear appropriate respirator.

No special protective equipment required.

Thermal hazards

Hygiene measures

General industrial hygiene practice.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.)	Clear, colorless to slightly yellowish liquid.
Odor	Characteristic
Odor threshold	Not determined.
pH	5.0 – 7.0
Melting point / freezing point	Not determined.
Initial boiling point and boiling range	78.5°C (for Ethanol)
Flash point	17°C (for 70% Ethanol)
Evaporation rate	Not determined.
Flammability (solid, gas)	Not determined.
Upper / lower flammability or explosive limits	Lower: 3.3% by volume Upper: 19% by volume
Vapor pressure	Not determined.
Vapor density	Not determined.
Specific gravity	0.850-0.890
Solubility(ies)	Not determined.
Partition coefficient (n-octanol / water)	Not determined.
Auto-ignition temperature	Not determined.
Decomposition temperature	Not determined.
Viscosity	Not determined.

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	Heat, flames, sparks and ignition sources.
Incompatible materials	Strong oxidizing agents; strong acids and bases; moisture
Hazardous decomposition products	Carbon dioxide, Carbon monoxide, may release flammable vapors

Section 11. TOXICOLOGICAL INFORMATION



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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.
Ingestion	Health injuries are not known or expected under normal use.
Eye contact	Health injuries are not known or expected under normal use.

Experience with human exposure

Inhalation	No symptoms known or expected.
Skin contact	May cause irritation.
Ingestion	Harmful effects when ingested.
Eye contact	Redness, pain, irritation

Acute toxicity

<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">Ethanol	
	Oral toxicity	LD ₅₀ (mouse): 10740 mg/kg
	Dermal toxicity	LD ₅₀ (rabbit): >16000 mg/kg

Skin corrosion / irritation

<u>Product</u>	May cause minimal skin irritation	
<u>Ingredient(s)</u>	<ul style="list-style-type: none">Ethanol	
	Species	Rabbit
	Exposure time	24 hours
	Result	Moderate skin irritation

Serious eye damage / irritation

<u>Product</u>	Causes eye irritation.	
<u>Ingredient(s)</u>	<ul style="list-style-type: none">Ethanol	
	Species	Rabbit
	Exposure time	4 seconds
	Result	Moderate eye irritation

Respiratory or skin sensitization

<u>Product</u>	No data available.
<u>Ingredient(s)</u>	No data available.

Germ cell mutagenicity

<u>Product</u>	No data available.
<u>Ingredient(s)</u>	No data available.

Carcinogenicity

<u>Product</u>	No data available.
<u>Ingredient(s)</u>	No data available.

Reproductive toxicity

<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	<ul style="list-style-type: none">Ethanol	
	Biochemical and metabolic effect on newborn	



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Species	Rat
Application route	Oral
Dose	112 mg/kg

STOT-single exposure

<u>Product</u>	No data available.
<u>Ingredient(s)</u>	<ul style="list-style-type: none"> Ethanol Harmful effects when ingested, contact with skin and eyes may cause moderate or mild irritation.

STOT-repeated exposure

<u>Product</u>	No data available.
<u>Ingredient(s)</u>	No data available.

Aspiration hazard

<u>Product</u>	No data available.
<u>Ingredient(s)</u>	No data available.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental effects	Harmful to aquatic life.	
Toxicity to fish		
<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	<ul style="list-style-type: none"> Ethanol LC₅₀ (Fathead Minnow) 14,200 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"> Ethanol EC₅₀ 18,400 mg/L Exposure time 24 hours 	
Toxicity to algae		
<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	No data available.	

Persistence and degradability

<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	<ul style="list-style-type: none"> Ethanol Biodegradability 	Biodegradable in water and soil

Bioaccumulative potential

<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	<ul style="list-style-type: none"> Ethanol Low potential for bioaccumulation. 	

Mobility in soil

<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	<ul style="list-style-type: none"> Ethanol Highly mobile in soil 	

Other adverse effects

<u>Product</u>	No data available.	
<u>Ingredient(s)</u>	No data available.	

Section 13. DISPOSAL CONSIDERATIONS

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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

The regulatory data in this section is not intended to be all-inclusive, only selected regulations are represented.

International Inventories

Country / Region	Inventory Name	On Inventory (Yes / No)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No



INTERNATIONAL PHARMACEUTICALS, INC.

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Korea	Act on the Registration and Evaluation of Chemicals (REACH)	No
Korea	Korea Existing Chemicals Inventory (KECI)	No
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s). Certain restrictions may apply.

Perfumes contained within the product covered by this Safety Data Sheet comply with appropriate IFRA Guidance.

This SDS has been prepared in accordance to the UN Globally Harmonized System and the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200. This product is considered hazardous as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Section 16. OTHER INFORMATION

Further Information

Abbreviations:

PEL – Permissible Exposure Limit

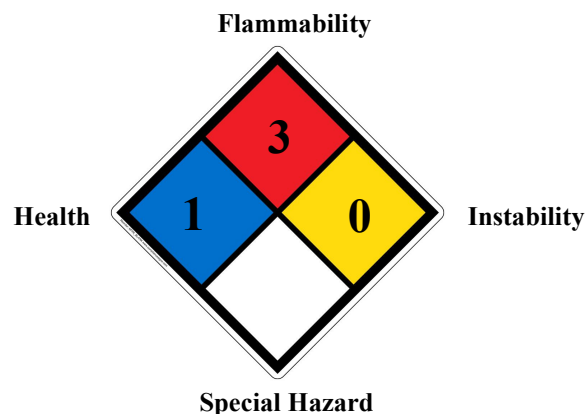
TWA - Time Weighted Average

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





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HMIS

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

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LRU/JBA

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.