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

Your Wellness. Our Passion.

SAFETY DATA SHEET

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identity	**DR. WONG'S LIGHTENING FACE CREAM**
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	To moisturize and lighten skin on the face

Section 2. HAZARD(S) IDENTIFICATION

GHS Classification

Not classified as hazardous by any GHS categories

GHS Label Element

Hazard Pictogram(s)	No applicable GHS pictogram
Signal Word(s)	No applicable GHS signal word
Hazard Statement(s)	No applicable GHS hazard statement
Precautionary Statement(s)	
Prevention	No applicable GHS prevention statement
Response	No applicable GHS response statement
Storage	No applicable GHS storage statement
Disposal	No applicable GHS disposal statement
Other hazards	None known.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity Mixture

Ingredients	CAS Number	EC Number	Concentration
Ethylhexyl Methoxycinnamate	5466-77-3	226-661-9	1 – 10%
Niacinamide	98-92-0	202-713-4	1 – 10%
Sodium Polyacrylate	9003-04-7	231-209-7	0.5 – 5%
Glycerin	56-81-5	200-289-5	0.5 – 5%
Titanium Dioxide	13463-67-7	236-675-5	0.5 – 3%
Triethanolamine	102-71-6	203-049-8	0.1 – 1.5%
Non-hazardous Ingredients*	N/A	N/A	≥ 50%

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.
Skin Contact	If irritation occurs, discontinue use. Rinse irritated area with

	soap and water.
Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present. Continue rinsing for at least 10 minutes. If symptoms persist, seek medical attention immediately.
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	Product is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	None known
Specific hazards arising from the chemical	None known
Hazardous combustion products	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)
Special protective actions for fire-fighters	Use personal protective equipment. Wear self-contained 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	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. 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.
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). 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. Remove contaminated clothing. Keep spills and cleaning runoffs out of nearby sewers and open bodies of water.
Environmental precautions	Spillages or uncontrolled discharges into watercourses

	must be reported immediately to appropriate regulatory body.
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	For external use only. Handle containers carefully to prevent damage and spillage.
Conditions for safe storage	Keep out of reach of children. Do not store above 30°C. Protect from heat and light.
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]
Glycerin	• PEL-TWA: 15 mg/m^3 total dust, 5 mg/m^3 (respirable) • CAPEL-TWA: 10 mg/m^3 (total dust), 5 mg/m^3 (respirable)	• TWA: 15 mg/m^3 (total), 5 mg/m^3 (respirable)
Titanium Dioxide	• IDLH: 5000 mg/m^3 • PEL-TWA: 15 mg/m^3 (total dust • CAPEL-TWA: 10 mg/m^3 (total dust), 5 mg/m^3 (respirable fraction)	• IDLH: 5000 mg/m^3 – a potential occupational carcinogen • TWA: 15 mg/m^3
Triethanolamine	• CAPEL-TWA: 5mg/m^3 [A]	• No reported limits

[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.)	Very light cream, opaque cream
Odor	Characteristic
Odor threshold	No data available.
pH	6.95
Melting point / freezing point	No data available.
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.
Relative density	1.016 g/mL
Solubility(ies)	No data available.
Partition coefficient (n-octanol / water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	5,750 cPs

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	No known conditions that are likely to result in a hazardous situation.
Incompatible materials	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Carbon monoxide, carbon dioxide

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	Eye contact, skin contact, ingestion
Potential health effects	
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.

Experience with human exposure

Inhalation	No symptoms known or expected.
Skin contact	No symptoms known or expected.
Ingestion	No symptoms known or expected.
Eye contact	Redness, pain, irritation

Acute toxicity

Product: No data available

Ingredient(s):

- **Glycerin**
  - Oral toxicity: LD_{50} (rat): 12,600 mg/kg body weight
  - Dermal toxicity: LD_{50} (rat): 21,900 mg/kg body weight
- **Titanium Dioxide**
  - Oral toxicity: LD_{50} (rat): >5,000 mg/kg
- **Triethanolamine**
  - Oral toxicity: LD_{50} (rat): 6,400 mg/kg
    Very acute toxicity if swallowed
    Harmful effects not anticipated from swallowing small amounts.
  - Dermal toxicity: LD_{50} (rabbit): > 2,000 mg/kg
    No death occurred at this concentration
    Prolonged skin contact is unlikely to result in absorption of harmful amounts.
  - Inhalation toxicity: Based in the available data; respiratory irritation was not observed.
    At room temperature, exposure to vapor is minimal due to low volatility; single exposure is not likely to be hazardous.

Skin corrosion / irritation

Product: No data available

Ingredient(s):

- **Glycerin**: No irritant effect
- **Titanium Dioxide**: No skin irritation (several species)
- **Triethanolamine**: Brief contact is essentially non-irritating to skin.
  Repeated exposure may cause irritation, even a burn.

Serious eye damage / irritation

Product: No data available.

Ingredient(s):

- **Glycerin**: No irritating effect

	• **Titanium Dioxide**	Dust contact with the eyes can lead to mechanical irritation
	Species	Rabbit
	Method	OECD Test Guideline 405
	Result	No eye irritation
	• **Triethanolamine**	May cause slight eye irritation. Corneal injury is unlikely.

Respiratory or skin sensitization

Product	No data available	
Ingredient(s)	• **Glycerin**	No sensitizing effects known
	• **Titanium Dioxide**	Did not cause sensitization
	Species	Mouse
	Test type	Local Lymph Node Assay (LLNA)
	Method	OECD Test Guideline 429
	• **Triethanolamine**	Did not cause allergic reactions when tested in guinea pigs. Skin contact may cause allergic skin reaction in a small proportion of individuals.
		No relevant data found for respiratory sensitization.

Germ cell mutagenicity

Product	No data available	
Ingredient(s)	• **Glycerin**	No data available
	• **Titanium Dioxide**	
	In vitro:	Genotoxic Not mutagenic (various test systems)
	In vivo:	Not genotoxic
	Species	Mouse
	Test type	Micronucleus Test
	Method	OECD Test Guideline 474
	Sample	Bone marrow
	• **Triethanolamine**	In vitro genetic toxicity studies were negative.

Carcinogenicity

Product	No data available	
Ingredient(s)	• **Glycerin**	No data available
	• **Titanium Dioxide**	Tumors seen in rats on

		inhalation of very high concentrations are believed to be result of prolonged "lung overload" and is considered relevant to man.
	• **Triethanolamine**	Findings from a chronic skin painting study by NTP include liver tumors in mice. Mechanistic studies indicate that tumor formation is of questionable relevance to humans. Is not classified as a human carcinogen.

Reproductive toxicity

Product	No data available.	
Ingredient(s)	• **Glycerin**	No data available
	• **Titanium Dioxide**	No data available
	• **Triethanolamine**	Has been toxic to the fetus in laboratory animals at dose toxic to the mother. However, the relevance of this to humans is unknown. Dose levels producing these effects were many times higher than any dose levels expected from exposure due to use.

STOT-single exposure

Product	No data available.	
Ingredient(s)	• **Glycerin**	No data available
	• **Titanium Dioxide**	Not classified as specific target organ toxicant (single exposure)
	• **Triethanolamine**	Evaluation of available data suggests that this material is not an STOT-SE toxicant**.**

STOT-repeated exposure

Product	No data available.	
Ingredient(s)	• **Glycerin**	No data available
	• **Titanium Dioxide**	NOEL: 2,400 mg/kg body weight
	Species	Rat
	Application route	Oral
	Exposure time	28 days
	Test type	Subacute toxicity study
	Method	OECD Test Guideline 407
	• **Triethanolamine**	Based on available data, repeated exposures are not

anticipated to cause significant adverse effects.

Further information

Ingredient(s)
- **Titanium Dioxide** — May cause irritation of respiratory tract

Aspiration hazard

Product — No data available.

Ingredient(s)
- **Glycerin** — No data available
- **Titanium Dioxide** — No aspiration toxicity classification
- **Triethanolamine** — Based on physical properties, not likely to be an aspiration hazard

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental effects — Not known or expected under normal use

Toxicity to fish

Product — No data available.

Ingredient(s)
- **Glycerin** — EC_{50} (24 h): > 10,000 mg/L
- **Titanium Dioxide** — No data available
- **Triethanolamine** — Material is practically non-toxic to aquatic organisms on an acute basis.

  Acute toxicity: $LC_{50}/EC_{50}/EL_{50}/LL_{50}$: > 100 mg/L

  Species — Most sensitive species

  May increase pH of aquatic systems to > pH 10 which may be toxic to aquatic organisms.

  Acute toxicity: LC_{50} (96 h): 11,800 mg/L

  Species — *Pimephales promelas* (fathead minnow)

  Test condition — Flow-through test

  Exposure time — 96 hours

  Method — OECD Test Guideline 203 or Equivalent

Toxicity to daphnia and other aquatic invertebrates

Product — No data available.

Ingredient(s)
- **Glycerin** — LC_{100} (96 h): 51,000 – 57,000 mg/L

  Species — *Daphnia magna*
- **Titanium Dioxide** — No data available
- **Triethanolamine**

  Acute toxicity: EC_{50} (48 h): 609.9 mg/L

	Species	*Ceriodaphnia dubia* (water flea)
	Test condition	Static test
	Exposure time	48 hours
	Method	OECD Test Guidelines 202 or Equivalent
	Chronic toxicity:	NOEC: 16 mg/L LOEC: 31 mg/L
	Species	*Daphnia magna* (water flea)
	Test condition	Semi-static test
	Test type	Number of offspring
	Exposure time	21 days

Toxicity to algae

Product	No data available.	
Ingredient(s)	• **Glycerin**	No data available
	• **Titanium Dioxide**	ErC_{50} (72 h): > 1,000 mg/L
	Species	*Skeletonema costatum* (marine diatom)
		NOEC (72 h): >5,600 mg/L (nominal concentration)
	Method	ISO 10253
	• **Triethanolamine**	
	Acute toxicity:	ErC_{50} (72 h): 512 mg/L
	Species	*alga Scenedesmus sp*.
	Test type	Static test
	Test substance	Neutralised product
	Exposure time	72 hours
	Method	OECD Test Guideline 201 or Equivalent (Growth rate inhibition)

Toxicity to bacteria

Product	No data available	
Ingredient(s)	• **Glycerin**	No data available
	• **Titanium Dioxide**	No data available
	• **Triethanolamine**	EC_{50} (3 h): > 1,000 mg/L
	Test type	Activated sludge
	Exposure time	3 hours
	Method	OECD 209 Test

Persistence and degradability

Product	No data available.	
Ingredient(s)	• **Glycerin**	Easily biodegradable
	• **Titanium Dioxide**	The methods of determining biodegradability are not applicable to inorganic substance
	• **Triethanolamine**	Readily biodegradable. Passes OECD test(s) for ready

	biodegradability. Ultimately biodegradable (reaches > 70% mineralization in OECD test(s) for inherent biodegradability)
10-day window	Pass
Biodegradation	97%
Exposure time	28 days
Method	OECD Test Guideline 301A or Equivalent
10-day window	Not applicable
Biodegradation	89%
Exposure time	14 days
Method	OECD Test Guideline 302B or Equivalent

Theoretical Oxygen Demand 2.04 mg/mg

Photodegradation	
Test type	Half-life (indirect photolysis)
Sensitizer	OH radicals
Atmospheric half-life	0.097 days
Method	Estimated

Bioaccumulative potential

Product: No data available.

Ingredient(s):

- **Glycerin** — Due to the distribution coefficient n-octanol/water, an accumulation in organisms is not expected.
- **Titanium Dioxide** — No data available

  Partition coefficient: n-octanol/water — Not applicable
- **Triethanolamine** — Bioconcentration potential is low (BCF < 100 or Log Pow < 3)

Partition coefficient	-2.3 at 25°C
Test type	n-octanol/water (log Pow)
Method	Measured
Bioconcentration factor (BCF)	< 3.9
Species	*Cyprinus carpio* (carp)
Exposure time	42 days
Method	Measured

Mobility in soil

Product: No data available.

Ingredient(s):

- **Glycerin** — No further relevant information available
- **Titanium Dioxide** — No data available
- **Triethanolamine** — Potential for mobility in soil is

	very high (Koc between 0 and 50)
Partition coefficient (Koc):	10
Method:	Estimated

Other adverse effects

Product	No data available.	
Ingredient(s)	• **Glycerin**	No further relevant information available
	• **Titanium Dioxide**	There is no data available for this product
	• **Triethanolamine**	No further relevant information available

Section 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Household use: This product is not safe for disposal down the or in the trash. This product can be disposed of after consultation with the responsible authorities according to disposal code. Dispose of empty bottle in the trash or recycle where facilities exist.

Non-household use: Products covered by this MSDS, in their original form, when disposed as waste, are considered **non-hazardous waste** according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Recycling is recommended for undiluted scrap product. Do not landfill.

Disposal considerations 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	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	Not regulated as dangerous goods.

name	
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

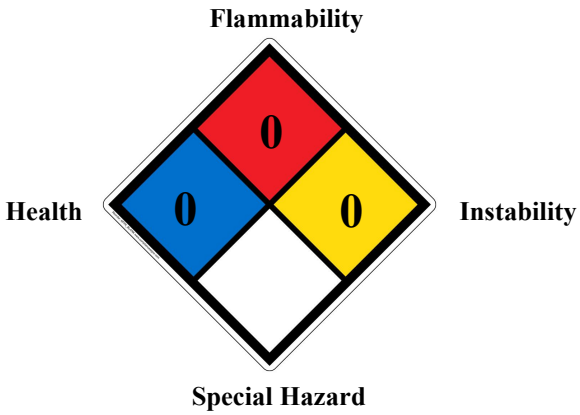
No data available.

Section 16. OTHER INFORMATION

Further Information

Abbreviations:
MSDS – Material Safety Data Sheet
GHS – Globally Harmonized System of Classification
PEG – Polyethylene Glycol
CAS – Chemistry Abstracts Service
EC – European Community Number
CFR – Code of Federal Regulations
OSHA – Occupational Safety and Health Administration
NIOSH – The National Institute of Occupational Safety and Health (NIOSH)
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
STOT – Specific Target Organ Toxicity
OECD – Organization for Economic Co-operation and Development
NTP – National Toxicology Program
NOEL – No Observable Effect Level
NOEC – No Observable Effect Concentration
LOEC – Lowest Observed Effects Concentration
LD_{50} – median Lethal Dose
LC_{100} – observed concentration involving 100% of mortality
LC_{50} – Lethal Concentration required to kill 50% of the population
EC_{50} – half maximal Effective Concentration
EL_{50} – Effective Loading rate resulting in 50% effect
LL_{50} – Lethal Loading rate resulting in 50% mortality
ErC_{50} – 50% reduction in growth rate
ISO – International Organization for Standardization
RCRA – Resource Conservation and Recovery Act
UN Number – United Nations Number
NFPA – National Fire Protection Association
HMIS – Health Management Information Systems

NFPA



HMIS

0 = not significant
1 = slight
2 = moderate
3 = high
4 = extreme
* = chronic

Data	Publicly available information.
Issued Date	16 November 2020
Prepared by	Product Research and Development Department International Pharmaceuticals Inc. *LFG/JBM*

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.