

Zenigloss<sup>®</sup>

## SECTION-1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

## 1.1 Product Identifier

Product trade name: Zenigloss<sup>®</sup> Product SKU(s): IP70900 / FG70100 / FG70101  
Synonyms: Castor isostearate succinate

## 1.2 Relevant identified uses of the substance or mixture and uses advised against

Natural Polymer Complex<sup>™</sup>, film former, barrier, polymeric glossing agent, for external cosmetic and personal care preparations.

## 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: TC USA Inc.  
34 Clayson Road  
Toronto, ON M9M 2G8  
Canada  
Tel: (+01) 416-741-9264  
1-800-918-0066  
Fax: (+01) 416-741-6475  
E-mail: techlab@tc-usa.com

## 1.4 Emergency telephone number

CEMTREC 1-800-424-9300 (US)  
1-703-527-3887 (International)

## SECTION-2: HAZARDS IDENTIFICATION

## 2.1 Classification of the substance or mixture

This product is not classified as a "hazardous substance" under EC Regulation N° 1272/2008:  
This product does not contain any active material considered hazardous under 29 CFR 1910.1200 in the United States.

Physical Hazards: Not Applicable.  
Health Hazards: Not Applicable.  
Environmental Hazards: Not Applicable.

## 2.2 GHS Label Elements

Hazard pictograms: Not Applicable.

Signal word: No Signal Word.

Hazard statements: The product does not meet the criteria for classification.

Precautionary statements

Prevention: Observe good industrial hygiene practices.

Response: Wash hands after handling.

Additional information

Storage: Store away from incompatible materials, and at between 10 °C and 30 °C. Avoid overheating and freezing.

## 2.2 GHS Label Elements

### Additional information

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

## 2.3 Other Hazards

No additional information available.

## 2.4 Unknown Acute Toxicity (US)

Not Applicable.

## SECTION-3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Ingredient Name	CAS Number	EC Number	Concentration % by wt.	Classification
castor oil, polymer with succinic acid, isostearates	321573-76-6	POLYMER EXEMPT	100	Not Applicable.

### 3.2 Mixtures

Ingredient Name	CAS Number	EC Number	Concentration % by wt.	Classification
Not Applicable.				Not Applicable.

## SECTION-4: FIRST-AID MEASURES

### 4.1 Description of first aid measures

General notes	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Inhalation:	Short-term harmful health effects are not expected from vapour-generated at ambient temperatures. If first aid is required, move person to fresh air. Call a physician if symptoms develop or persist.
Skin contact:	Wash off with soap and water. Get medical attention if irritation develops and persists. Take off all contaminated clothing and wash before reuse.
Eye contact:	Immediately flush eyes with plenty of water or eye wash solution, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	Clean mouth with water and drink afterwards plenty of water. May cause abdominal discomfort, nausea, vomiting and diarrhea. Do not induce vomiting. Obtain medical attention.
Self-protection of the first aider:	Boots, gloves and goggles. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 4.2 Most important symptoms / effects, acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

## SECTION-5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: Water spray. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media: Do not use a heavy water stream.

### 5.2 Special hazards arising from the substance or mixture

No specific hazard under normal conditions of use, to our knowledge.

### 5.3 Advice for firefighters

Special protective equipment and precautions for firefighters: Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit.

Fire-fighting equipment/instructions: Move containers from fire area if you can do so without risk. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards: In the event of a fire, toxic gases may be released, depending on the temperature and air circulation (carbon monoxide and nitrogen oxides).

## SECTION-6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

Small spills: Stop leak without risk. Move container from spill area. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Dispose in accordance with Section 13.

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Use water spray to reduce vapours or divert vapour cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. See Section 1 for emergency contacts and dispose in accordance with Section 13.

Never return spills to original containers for re-use. For waste disposal, see Section 13 of the SDS.

### 6.4 Reference to other sections

See Section 8 and Section 13 of the Safety Data Sheet for more information.

## SECTION-7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not breath the mist or vapour. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure. Do not get this material on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Keep container in a cool, well-ventilated place (ideally 15 to 25 °C).

### 7.3 Incompatibilities/Specific end uses(s)

Incompatibilities	Refer to Section 10 of the Safety Data Sheet for incompatible materials.
Specific end use(s)	Risk Management Methods (RMM): The information required is contained in this Safety Data Sheet.

## SECTION-8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Occupational exposure limits:	No exposure limits noted for ingredient(s).
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### 8.2 Engineering Controls/Exposure Controls

Engineering controls:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### 8.3 Protective Measures

Eye / face protection:	Wear safety glasses with side shields (or goggles).
Hand protection:	For prolonged or repeated skin contact use suitable protective gloves.
Other skin protection:	Wear suitable protective clothing and boots.
Other protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
General hygiene measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Thermal hazards:	Wear appropriate thermal protective clothing, when necessary.

## SECTION-9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Property	Value	Property	Value
Physical state:	Clear Viscous Liquid	Flash Point:	> 94 °C (>201 °F)
Colour:	Amber	Flammability of the product:	No data available
Odour:	Mild, characteristic	Evaporation Rate:	Estimated slower than ethyl ether
pH;	No data available	Relative Density:	0.90 to 0.99
Boiling point:	> 100 °C @ 760 mmHg	Viscosity:	15,000 cPs @ 23 °C

### 9.2 Other information

The information presented in this section does not serve as specifications. No additional information available.

## SECTION-10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No specific hazard known under normal conditions of use, storage and transport.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known under conditions of normal use.

### 10.4 Conditions to avoid

Avoid extremely high temperatures.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

None known under normal conditions of use and storage.

## SECTION-11: TOXICOLOGICAL INFORMATION

### 11.1 Information on likely routes of exposure

Skin contact: No known toxicological effects.

Eye contact: No known toxicological effects.

Inhalation: No known toxicological effects.

Ingestion: No known toxicological effects.

Symptoms related to the physical, chemical and toxicological characteristics: Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.  
Symptoms/injuries after inhalation: None under normal use.  
Symptoms/injuries after skin contact: No significant irritation expected from a single short-term exposure.  
Symptoms/injuries after eye contact: May cause minor transient eye irritation.  
Symptoms/injuries after ingestion: Not expected to be toxic by ingestion.  
Chronic symptoms: No effects known.

## 11.2 Information on toxicological effects

Acute toxicity: No known toxicological effects.

Chronic effects: No known toxicological effects.

## 11.3 Numerical measures of Toxicity

Product/Components	Oral LD <sub>50</sub> (Species)	Dermal LD <sub>0</sub> (Species)	Inhalation LC <sub>50</sub> (Species)
Castor isostearate succinate	> 2,000 mg/kg (Rat)	3,000 mg/kg (Guinea Pig)	>5.1 mg/L air (Rat)

*The product has not been tested. Test data is derived from the literature and/or by structure analogy.*

Skin corrosion/irritation: No known toxicological effects.

Serious eye damage/eye irritation: No known toxicological effects.

Respiratory sensitization: No data available.

Skin sensitization: No known toxicological effects.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure: No known significant effects or critical hazards.

Specific target organ toxicity - repeated exposure: No known significant effects or critical hazards.

Aspiration hazard: No known significant effects or critical hazards.

## SECTION-12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

No known negative ecological effects.

Product/Components	Species	Effective Dose	Value	Duration	Method
Castor isostearate succinate	Fish	LC <sub>50</sub>	>100 mg/l	96h	OECD 203
	Invertebrates	EL <sub>50</sub>	>100 mg/l	48h	OECD 202
	Algae	EC <sub>50</sub>	>100 mg/l	72h	OECD 201

*The product has not been tested. Test data is derived from the literature and/or by structure analogy.*

### 12.2 Persistence and degradability

Readily Biodegradable: (>60% 28d) BSB30/CSB/ISO 10708, (90 to 100% DOC Reduction 21d) OECD 302B (aerobic, activated sludge)

### 12.3 Persistence and degradability

No data available. / Due to the low logP<sub>ow</sub> bioaccumulation is not expected

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

No data available.

## 12.6 Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION-13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Handling for disposal:	Dispose of contents/container in accordance with local/regional/national/international regulations.
Methods of disposal:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging:	Empty containers should be taken to an approved waste-handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## SECTION-14: TRANSPORT INFORMATION

### Ground/Rail (DOT/ADR/RID)

14.1 UN number:	BAN000
14.2 UN proper shipping name:	Not regulated as dangerous goods.
14.3 Transport hazard class:	Not regulated as dangerous goods.
14.4 Packing group:	Not regulated as dangerous goods.

### Air Transport (IATA/ICAO)

14.1 UN number:	BAN000
14.2 UN proper shipping name:	Not regulated as dangerous goods.
14.3 Transport hazard class:	Not regulated as dangerous goods.
14.4 Packing group:	Not regulated as dangerous goods.

### Sea Transport (IMDG)

14.1 UN number:	BAN000
14.2 UN proper shipping name:	Not regulated as dangerous goods.
14.3 Transport hazard class:	Not regulated as dangerous goods.
14.4 Packing group:	Not regulated as dangerous goods.

### 14.5 Environmental hazards

Not Applicable

### 14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable

## SECTION-15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### European Union:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Classification according to Regulation (EC) No. 1272/2008 [CLP]: No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]: Not classified

#### US Federal Regulations:

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### US State Regulations:

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

#### International Inventories

Country(s) / Region	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	N/A
China	Inventory of Existing Chemical Substances in China (IECSC)	No
China	Inventory of Existing Cosmetic Ingredients in China (IECIC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Polymer Exempt
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (KECL)	No
New Zealand	New Zealand Inventory (NZIoC)	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substances Inventory (KCSI)	Yes
United States	Toxic Substances Control Act (TSCA) Inventory	Yes

\* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) and 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).

#### 15.2 Chemical Safety Assessment

No information available.

#### SECTION-16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: 16 September 2016  
Version Number: 01  
Revision: Updated to International GHS standard.

#### Disclaimer

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