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# SAFETY DATA SHEET

## 16945-02 EXP HTX LA551 LHB DK BROWN (T3)

Section 1. Identification	n	
GHS product identifier	:	16945-02 EXP HTX LA551 LHB DK BROWN (T3)
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	VC10009761
Product type	:	solid
Relevant identified uses of the subs	tance	or mixture and uses advised against
Product use	:	Industrial applications. Plastics.
~		
Supplier's details	:	POLYONE CORPORATION
		33587 Walker Road, Avon Lake, OH 44012
		1 (440) 930-1000 or 1 (866) POLYONE
Francisco en talente en a normation		CHEMTREC 1 800 424 0200 (24kus fan arill lash fins armasuns
Emergency telephone number	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire,
(with hours of operation)		
		exposure or accident).

# Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. All ingredients are bound in a PVC polymer matrix and potential for hazardous exposure as shipped is minimal. PVC resin is manufactured from Vinyl Chloride Monomer (VCM). PVC resin manufacturers take special efforts to strip residual VCM from their resins. Residual VCM in the resin is typically below 8.5 ppm. However, VCM is a known carcinogen. The end-user (fabricator) should take necessary precautions (mechanical ventilation, local exhaust, respiratory protection, etc.) to protect employees from exposure to any vapors or dusts that may be released during heating or fabrication. See Sections 8 and 11 for special precautions.After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.



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## GHS label elements

:	No signal word. No known significant effects or critical hazards.
:	Not applicable.
:	None known.
:	None known.

# Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	VC10009761

## CAS number/other identifiers

Ingredient name	%	CAS number
Paraffin waxes and Hydrocarbon waxes	1 - 5	8002-74-2
Titanium dioxide	0.1 - 1	13463-67-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures



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## **Description of necessary first aid measures**

Eye contact	up	nmediately flush eyes with plenty of water, occasionally lifting the oper and lower eyelids. Check for and remove any contact lenses. et medical attention if irritation occurs.
Inhalation		emove victim to fresh air and keep at rest in a position comfortable or breathing. Get medical attention if symptoms occur.
Skin contact		ush contaminated skin with plenty of water. Remove contaminated othing and shoes. Get medical attention if symptoms occur.
Ingestion	re sw of	Vash out mouth with water. Remove victim to fresh air and keep at est in a position comfortable for breathing. If material has been vallowed and the exposed person is conscious, give small quantities E water to drink. Do not induce vomiting unless directed to do so by edical personnel. Get medical attention if symptoms occur.

## Most important symptoms/effects, acute and delayed

Potential acute health effects		
Eye contact Inhalation Skin contact Ingestion	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Over-exposure signs/symptoms</b>		
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical atter	ntio	n and special treatment needed, if necessary
Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

# **Section 5. Fire-fighting measures**



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## **Extinguishing media**

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $\rm CO_2$ . None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal	:	May emit Hydrogen Chloride (HCl).
decomposition products		Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

For non-emergency personnel For emergency responders	:	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. Put on appropriate personal protective equipment. 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".
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).
Methods and materials for containme	nt a	nd cleaning up
Small spill	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a



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licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

## Precautions for safe handling

Protective measures Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

# Section 8. Exposure controls/personal protection

## **Control parameters**

## **Occupational exposure limits**

Ingredient name	Exposure limits
Paraffin waxes and Hydrocarbon waxes	OSHA PEL 1989 (1989-03-01)
	PEL: Permissible Exposure Level 2 mg/m3
	NIOSH REL (1994-06-01)
	Time Weighted Average (TWA) 2 mg/m3 Form: Fume
	ACGIH TLV (1994-09-01)
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
	Permissible Exposure Level 2 mg/m3 Form: Fume
Titanium dioxide	OSHA PEL 1989 (1989-03-01)
	PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust
	OSHA PEL (1993-06-30)
	PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust
	ACGIH TLV (1996-05-18)
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
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	Permissible Exposure Level 10 mg/m3
	<ul> <li>Good general ventilation should be sufficient to control worker exposure to airborne contaminants.</li> <li>Emissions from ventilation or work process equipment should be</li> </ul>
	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.
Individual protection measures	
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.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection	
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	<ul> <li>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.</li> </ul>
Other skin protection	Appropriate footwear and any additional skin protection measures 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	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.



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# Section 9. Physical and chemical properties

## **Appearance**

Physical state	:	solid [Pellets.]
Color	:	BROWN
Odor	:	Not available.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
Lower and apper emprositie	•	
(flammable) limits	•	<b>Upper:</b> Not available.
	:	<b>Upper:</b> Not available. Not available.
(flammable) limits	-	
(flammable) limits Vapor pressure	-	Not available.
(flammable) limits Vapor pressure Vapor density	-	Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density	-	Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility	-	Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water	:	Not available. Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n-	:	Not available. Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water		Not available. Not available. Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature		Not available. Not available. Not available. Not available. Not available. Not available.
(flammable) limits Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature		Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.

# Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Keep away from extreme heat and oxidizing agents.
Incompatible materials	:	Avoid contact with acetal homopolymers and acetyl homopolymers during processing.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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# Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

## Information on toxicological effects

## Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure		
Paraffin waxes and Hydrocart	Paraffin waxes and Hydrocarbon waxes					
	LD50 Oral	Rat	2,000 mg/kg	-		
Titanium dioxide	·					
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h		
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-		
Conclusion/Summary : Mixture.Not fully tested.						

## **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Paraffin waxes and	Skin -	Rabbit			-
Hydrocarbon waxes	Moderate				
	irritant				
	Eyes - Mild	Rabbit			-
	irritant				
	Skin - Mild	Rabbit		24 hrs	-
	irritant				
	Eyes - Mild	Rabbit		24 hrs	-
	irritant				
Skin Eyes Respiratory <u>Sensitization</u>	: N	Iixture.Not fu Iixture.Not fu Iixture.Not fu	Illy tested.		
Conclusion/Summary Skin Respiratory		Iixture.Not fu Iixture.Not fu			
<b>Mutagenicity</b>					
Conclusion/Summary	: N	lixture.Not fu	Illy tested.		
		8/1	5		



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## **Carcinogenicity**

Conclusion/Summary <u>Classification</u>	:	Mixture.Not fu	lly tested.
	OSHA	IARC	NTP
Titanium dioxide		2B	
<u>Reproductive toxicity</u>			
Conclusion/Summary	:	Mixture.Not fu	lly tested.
<u>Teratogenicity</u>			
Conclusion/Summary	:	Mixture.Not fu	lly tested.
Specific target organ toxicity ( Not available.	single expo	<u>osure)</u>	
Specific target organ toxicity ( Not available.	repeated e	<u>xposure)</u>	
Aspiration hazard Not available.			
Information on the likely route exposure	es of :	Not available.	
Potential acute health effects			
Eye contact	:	No known sign	ificant effects or critical hazards.
Inhalation	:		ificant effects or critical hazards.
Skin contact	:		ificant effects or critical hazards.
Ingestion	:	No known sign	ificant effects or critical hazards.
Symptoms related to the physi	cal, chemic	al and toxicolog	gical characteristics
Eye contact	:	No specific data	a.
Inhalation	:	No specific data	
Skin contact	:	No specific data	
Ingestion	:	No specific data	

## Delayed and immediate effects and also chronic effects from short and long term exposure



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#### Short term exposure **Potential immediate effects** Not available. : Not available. **Potential delayed effects** : Long term exposure Potential immediate effects Not available. : **Potential delayed effects** Not available. • Potential chronic health effects **Conclusion/Summary** Mixture.Not fully tested. : No known significant effects or critical hazards. General : Carcinogenicity No known significant effects or critical hazards. : No known significant effects or critical hazards. Mutagenicity : Teratogenicity No known significant effects or critical hazards. : **Developmental effects** : No known significant effects or critical hazards. **Fertility effects** No known significant effects or critical hazards. • Numerical measures of toxicity

Acute toxicity estimates

Not available.

# Section 12. Ecological information

## **Toxicity**

Product/ingredient name	Result	Species	Exposure
Titanium dioxide			
	Acute LC50 > 1,000,000 μg/l	Fish - Mummichog	96 h
	Marine water		
	Acute LC50 > 1,000 mg/l Fresh	Fish - Fathead minnow	96 h
	water		
	Acute LC50 13 mg/l Fresh water	Aquatic invertebrates.	48 h
		Water flea	
	Acute LC50 6.5 mg/l Fresh water	Aquatic invertebrates.	48 h
	_	Water flea	
	Acute EC50 19.3 mg/l Fresh water	Aquatic invertebrates.	48 h



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		Water flea	
	Acute EC50 27.8 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute EC50 35.306 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
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Remarks - Acute - Aquatic invertebrates.:	Chemicals are not readily available	as they are bound within the	e polymer matrix.
Conclusion/Summary	: Chemicals are not read polymer matrix.	lily available as they are bou	ind within the
Persistence and degradability	<u>v</u>		
Conclusion/Summary	: Chemicals are not read polymer matrix.	lily available as they are bou	ind within the
Conclusion/Summary	: Chemicals are not read polymer matrix.	lily available as they are bou	and within the

## **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Titanium dioxide		352.00	low

Soil/water partition coefficient	:	Not available.
(KOC) Other adverse effects	:	No known significant effects or critical hazards.

:

# Section 13. Disposal considerations

**Disposal methods** 

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and



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contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

## **Section 14. Transport information**

U.S. DOT Classification	:	Not regulated for transportation.
ICAO/IATA	:	Consult mode specific transport rules
IMO/IMDG (maritime)	:	Consult mode specific transport rules

# Section 15. Regulatory information

U.S. Federal regulations	<ul> <li>United States - TSCA 12(b) - Chemical export notification: None of the components are listed.</li> <li>United States - TSCA 4(a) - Final Test Rules: Not listed</li> <li>United States - TSCA 4(a) - ITC Priority list: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 5(a)2 - Final significant new use rules: Not listed</li> <li>United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(e) - Substances consent order: Not listed</li> <li>United States - TSCA 6 - Final risk management: Not listed</li> <li>United States - TSCA 6 - Proposed risk management: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined</li> <li>United States - TSCA 8(a) - Preliminary assessment report (PAIR): Listed Cyclohexene, 4-ethenyl-</li> </ul>
	United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Phthalocyanine green Acrylonitrile Vinyl chloride monomer



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United States - EPA Clean water act (CWA) section 311 -Hazardous substances: Listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Not listed
Clean Air Act Section 602 Class I	:	Not listed
Substances Clean Air Act Section 602 Class II	:	Not listed
Substances DEA List I Chemicals (Precursor		Not listed
Chemicals)	•	
DEA List II Chemicals (Essential Chemicals)	:	Not listed

## US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

## SARA 311/312

Classification

Not applicable.

:

## **Composition/information on ingredients**

Name	%	Classification
Paraffin waxes and Hydrocarbon	1 - 5	AH
waxes		
Titanium dioxide	0.1 - 1	СН

## SARA 313

	Product name	CAS number	%
Form R - Reporting	Styrene	100-42-5	0.1 - 1
requirements			
Supplier notification	Styrene	100-42-5	0.1 - 1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.



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<u>State regulations</u> Massachusetts	:	The following components are listed:
Wassachusetts	•	Paraffin waxes and Hydrocarbon waxes
New York	:	The following components are listed:
		Styrene
New Jersey	:	The following components are listed:
		2-Propenenitrile, polymer with Ethenylbenzene
		Ethene, chloro-, homopolymer
		Paraffin waxes and Hydrocarbon waxes
		Titanium dioxide
<b>D</b> 1 1		Styrene
Pennsylvania	:	The following components are listed:
		Paraffin waxes and Hydrocarbon waxes
		Titanium dioxide
		Styrene
<u>California Prop. 65</u>		
WARNING: This product contains a c	hem	ical known to the State of California to cause cancer.
United States incontants (TSCA 9h)		All common and and listed on ensured a
United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	All components are listed or exempted.
·		
International regulations		
International lists		Australia inventory (AICS): All components are listed or exempted.
International lists	:	<b>Taiwan inventory (CSNN):</b> All components are listed or exempted.
		Malaysia Inventory (EHS Register): Not determined.
		<b>EINECS:</b> All components are listed or exempted.
		Japan inventory: Not determined.
		China inventory (IECSC): All components are listed or exempted.
		Korea inventory: All components are listed or exempted.
		New Zealand Inventory of Chemicals (NZIoC): All components
		are listed or exempted.
		Philippines inventory (PICCS): All components are listed or
		exempted.
<b>Chemical Weapons Convention</b>	:	Not listed
List Schedule I Chemicals	•	
Chemical Weapons Convention	:	Not listed
List Schedule II Chemicals		



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Chemical Weapons Convention List Schedule III Chemicals Not listed

# Section 16. Other information

<u>History</u>		
Date of printing	:	04/22/2015
Date of issue/Date of revision	:	04/16/2015
Date of previous issue	:	01/09/2014
Version	:	1.1
Key to abbreviations References	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations Not available.

## Notice to reader

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