



Safety Data Sheet

acc. to OSHA HCS

Printing date 09/11/2019

Reviewed on 06/28/2019

1 Identification

- **Product identifier**
- **Trade name:** 638 LIGHT YELLOW
- **Article number:** 638
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
General Paint Co. S.A.L.
P.O. Box 7623
Beirut
LEBANON
info@generalpaint.biz
- **Information department:** Product Safety Department
- **Emergency telephone number:** 1-800-535-5053 contract number (89244)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

n-butyl acetate

methyl methacrylate

2,3-epoxypropyl neodecanoate

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· Hazard statements

Flammable liquid and vapor.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.

· Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:**· NFPA ratings (scale 0 - 4)**

Health = 0
Fire = 3
Reactivity = 0

· HMIS-ratings (scale 0 - 4)

Health = 0
Fire = 3
Reactivity = 0

· Other hazards**· Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

123-86-4	n-butyl acetate	>10-≤25%
1330-20-7	xylene	>2.5-≤10%
110-43-0	2-Heptanone	>2.5-≤10%
64742-95-6	Solvent naphtha (petroleum), light arom.	≤2.5%
80-62-6	methyl methacrylate	≤2.5%
26761-45-5	2,3-epoxypropyl neodecanoate	≤2.5%

4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

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6 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

- **Protective Action Criteria for Chemicals**

- **PAC-1:**

123-86-4	n-butyl acetate	5 ppm
1330-20-7	xylene	130 ppm
110-43-0	2-Heptanone	150 ppm
123-54-6	pentane-2,4-dione	75 ppm
67-64-1	acetone	200 ppm
75-65-0	2-methylpropan-2-ol	150 ppm
80-62-6	methyl methacrylate	17 ppm
57-55-6	Propylene glycol	30 mg/m ³
100-41-4	ethylbenzene	33 ppm
77-58-7	dibutyltin dilaurate	1.1 mg/m ³
868-77-9	2-hydroxyethyl methacrylate	1.9 mg/m ³
79-41-4	methacrylic acid	6.7 ppm
280-57-9	triethylenediamine	5.1 mg/m ³
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
122-99-6	2-Phenoxyethanol	1.5 ppm
872-50-4	N-methyl-2-pyrrolidone	30 ppm
78-83-1	butanol	150 ppm
7447-41-8	lithium chloride	2.3 mg/m ³
70657-70-4	2-methoxypropyl acetate	50 ppm
556-67-2	octamethylcyclotetrasiloxane	30 ppm

- **PAC-2:**

123-86-4	n-butyl acetate	200 ppm
1330-20-7	xylene	920* ppm
110-43-0	2-Heptanone	670 ppm

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123-54-6	pentane-2,4-dione	110 ppm
67-64-1	acetone	3200* ppm
75-65-0	2-methylpropan-2-ol	1,300 ppm
80-62-6	methyl methacrylate	120 ppm
57-55-6	Propylene glycol	1,300 mg/m ³
100-41-4	ethylbenzene	1100* ppm
77-58-7	dibutyltin dilaurate	8 mg/m ³
868-77-9	2-hydroxyethyl methacrylate	21 mg/m ³
79-41-4	methacrylic acid	61 ppm
280-57-9	triethylenediamine	56 mg/m ³
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
122-99-6	2-Phenoxyethanol	16 ppm
872-50-4	N-methyl-2-pyrrolidone	32 ppm
78-83-1	butanol	1,300 ppm
7447-41-8	lithium chloride	25 mg/m ³
70657-70-4	2-methoxypropyl acetate	1,000 ppm
556-67-2	octamethylcyclotetrasiloxane	68 ppm

PAC-3:

123-86-4	n-butyl acetate	3000* ppm
1330-20-7	xylene	2500* ppm
110-43-0	2-Heptanone	4000* ppm
123-54-6	pentane-2,4-dione	200 ppm
67-64-1	acetone	5700* ppm
75-65-0	2-methylpropan-2-ol	8000* ppm
80-62-6	methyl methacrylate	570 ppm
57-55-6	Propylene glycol	7,900 mg/m ³
100-41-4	ethylbenzene	1800* ppm
77-58-7	dibutyltin dilaurate	48 mg/m ³
868-77-9	2-hydroxyethyl methacrylate	1,000 mg/m ³
79-41-4	methacrylic acid	220 ppm
280-57-9	triethylenediamine	340 mg/m ³
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
122-99-6	2-Phenoxyethanol	97 ppm
872-50-4	N-methyl-2-pyrrolidone	190 ppm
78-83-1	butanol	8000* ppm
7447-41-8	lithium chloride	150 mg/m ³
70657-70-4	2-methoxypropyl acetate	5,000 ppm

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556-67-2 octamethylcyclotetrasiloxane

130 ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 3
- **Specific end use(s):** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

123-86-4 n-butyl acetate

PEL	Long-term value: 710 mg/m ³ , 150 ppm
REL	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
TLV	Short-term value: 712 mg/m ³ , 150 ppm Long-term value: 238 mg/m ³ , 50 ppm

1330-20-7 xylene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI

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110-43-0 2-Heptanone

PEL	Long-term value: 465 mg/m ³ , 100 ppm
REL	Long-term value: 465 mg/m ³ , 100 ppm
TLV	Long-term value: 233 mg/m ³ , 50 ppm

80-62-6 methyl methacrylate

PEL	Long-term value: 410 mg/m ³ , 100 ppm
REL	Long-term value: 410 mg/m ³ , 100 ppm
TLV	Short-term value: 410 mg/m ³ , 100 ppm Long-term value: 205 mg/m ³ , 50 ppm DSEN

Ingredients with biological limit values:**1330-20-7 xylene**

BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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• **Additional information:** The lists that were valid during the creation were used as basis.

• **Exposure controls**

• **Personal protective equipment:**

• **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

• **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

• **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:

Tightly sealed goggles

9 Physical and chemical properties**· Information on basic physical and chemical properties****· General Information****· Appearance:**

Form:	Liquid
Color:	White
Odor:	Characteristic
Odor threshold:	Not determined.

· pH-value: Not determined.**· Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	124 °C (255.2 °F)

· Flash point: 25 °C (77 °F)**· Flammability (solid, gaseous):** Not applicable.**· Ignition temperature:** 370 °C (698 °F)**· Decomposition temperature:** Not determined.**· Auto igniting:** Product is not selfigniting.**· Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.**· Explosion limits:**

Lower:	1.2 Vol %
Upper:	7.5 Vol %

· Vapor pressure at 20 °C (68 °F): 10.7 hPa (8 mm Hg)**· Density at 20 °C (68 °F):** 1.16 g/cm³ (9.6802 lbs/gal)**· Relative density** Not determined.**· Vapor density** Not determined.**· Evaporation rate** Not determined.**· Solubility in / Miscibility with****Water:** Not miscible or difficult to mix.**· Partition coefficient (n-octanol/water):** Not determined.

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- | | |
|------------------------------|--|
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · Solvent content: | |
| Organic solvents: | 37.0 % |
| Coating VOC content: | 36.53 % |
| | 426.7 g/l / 3.56 lb/gal |
| Material VOC content: | 423.7 g/l / 3.54 lb/gal |
| Solids content: | 62.3 % |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

1330-20-7 xylene

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

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· Carcinogenic categories**· IARC (International Agency for Research on Cancer)**

1330-20-7	xylene	3
80-62-6	methyl methacrylate	3
100-41-4	ethylbenzene	2B

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

· Toxicity**· Aquatic toxicity:** No further relevant information available.**· Persistence and degradability** No further relevant information available.**· Behavior in environmental systems:****· Bioaccumulative potential** No further relevant information available.**· Mobility in soil** No further relevant information available.**· Additional ecological information:****· General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

· Results of PBT and vPvB assessment**· PBT:** Not applicable.**· vPvB:** Not applicable.**· Other adverse effects** No further relevant information available.

13 Disposal considerations

· Waste treatment methods**· Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:**· Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

· UN-Number	UN1263
· DOT, ADR, IMDG, IATA	
· UN proper shipping name	Paint
· DOT	1263 PAINT
· ADR	PAINT
· IMDG, IATA	
· Transport hazard class(es)	
· DOT	
	
· Class	3 Flammable liquids
· Label	3
· ADR, IMDG, IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group	III
· DOT, ADR, IMDG, IATA	
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids
· Danger code (Kemler):	30
· EMS Number:	F-E, S-E
· Stowage Category	A
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L

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· ADR	
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

1330-20-7	xylene
75-65-0	2-methylpropan-2-ol
80-62-6	methyl methacrylate
100-41-4	ethylbenzene
122-99-6	2-Phenoxyethanol
872-50-4	N-methyl-2-pyrrolidone
104-68-7	Diethylene glycol monophenyl ether

· TSCA (Toxic Substances Control Act):

123-86-4	n-butyl acetate	ACTIVE
1330-20-7	xylene	ACTIVE
110-43-0	2-Heptanone	ACTIVE
123-54-6	pentane-2,4-dione	ACTIVE
67-64-1	acetone	ACTIVE
75-65-0	2-methylpropan-2-ol	ACTIVE
80-62-6	methyl methacrylate	ACTIVE
26761-45-5	2,3-epoxypropyl neodecanoate	ACTIVE
57-55-6	Propylene glycol	ACTIVE
100-41-4	ethylbenzene	ACTIVE
77-58-7	dibutyltin dilaurate	ACTIVE

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868-77-9	2-hydroxyethyl methacrylate	ACTIVE
79-41-4	methacrylic acid	ACTIVE
280-57-9	triethylenediamine	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
122-99-6	2-Phenoxyethanol	ACTIVE
872-50-4	N-methyl-2-pyrrolidone	ACTIVE
78-83-1	butanol	ACTIVE
7447-41-8	lithium chloride	ACTIVE
104-68-7	Diethylene glycol monophenyl ether	ACTIVE
556-67-2	octamethylcyclotetrasiloxane	ACTIVE

· Hazardous Air Pollutants

1330-20-7	xylene
80-62-6	methyl methacrylate
100-41-4	ethylbenzene

· Proposition 65**· Chemicals known to cause cancer:**

100-41-4	ethylbenzene
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· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.	
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· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.	
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· Chemicals known to cause developmental toxicity:

872-50-4	N-methyl-2-pyrrolidone
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· Carcinogenic categories**· EPA (Environmental Protection Agency)**

1330-20-7	xylene	I
67-64-1	acetone	I
80-62-6	methyl methacrylate	E, NL
100-41-4	ethylbenzene	D

· TLV (Threshold Limit Value established by ACGIH)

1330-20-7	xylene	A4
67-64-1	acetone	A4
75-65-0	2-methylpropan-2-ol	A4
80-62-6	methyl methacrylate	A4
100-41-4	ethylbenzene	A3
77-58-7	dibutyltin dilaurate	A4

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· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms

GHS02 GHS07

· Signal word Warning**· Hazard-determining components of labeling:**

n-butyl acetate
methyl methacrylate
2,3-epoxypropyl neodecanoate

· Hazard statements

Flammable liquid and vapor.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.

· Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use for extinction: CO₂, powder or water spray.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Product safety department

· **Contact:** N/A

· **Date of preparation / last revision** 09/11/2019 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 3: Flammable liquids – Category 3

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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