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### Safety Data Sheet acc. to OSHA HCS

Printing date 10/22/2024

Reviewed on 07/29/2024

#### 1 Identification

- · Product identifier
- · Trade name: 611 2K LUMINOUS BLUE
- · Article number: 611
- · Application of the substance / the mixture refer to the relevant Technical Data Sheet
- · 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

Flammable Liquids 3

H226 Flammable liquid and vapor.



GHS08 Health hazard

Carcinogenicity 2

H351 Suspected of causing cancer.



GHS07

Sensitization - Skin 1

H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure 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).

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Trade name: 611 2K LUMINOUS BLUE

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#### · Hazard pictograms







GHS02 GHS07 GHS08

#### · Signal word Warning

#### · Hazard-determining components of labeling:

n-butyl acetate ethylbenzene methyl methacrylate

2,3-epoxypropyl neodecanoate

2-hydroxyethyl methacrylate

#### · Hazard statements

Flammable liquid and vapor.

May cause an allergic skin reaction.

Suspected of causing cancer.

May cause drowsiness or dizziness.

#### Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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.

IF exposed or concerned: Get medical advice/attention.

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 CO2, powder or water spray to extinguish.

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.

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Trade name: 611 2K LUMINOUS BLUE

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- · 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.

### 3 Composition/information on ingredients

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

•	components:	
123-86-4	n-butyl acetate	>10- <i>≤</i> 25%
1330-20-7	xylene	>2.5-≤10%
108-65-6	2-methoxy-1-methylethyl acetate	>2.5-≤10%
64742-95-6	Solvent naphtha (petroleum), light arom.	>2.5- <i>≤</i> 10%
	methyl methacrylate	<i>≤</i> 2.5%
	2,3-epoxypropyl neodecanoate	<i>≤</i> 2.5%
	2-hydroxyethyl methacrylate	<i>≤</i> 2.5%
100-41-4	ethylbenzene	<i>≤</i> 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.

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- · 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.

#### 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 section 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
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
80-62-6	methyl methacrylate	17 ppm
79-41-4	methacrylic acid	6.7 ppm
	2-hydroxyethyl methacrylate	1.9 mg/m³
	ethylbenzene	33 ppm
77-58-7	dibutyltin dilaurate	1.1 mg/m³

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556-67-2	octamethylcyclotetrasiloxane	(Contd. of page 4
PAC-2:		-
123-86-4	n-butyl acetate	200 ppm
1330-20-7	xylene	920* ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
80-62-6	methyl methacrylate	120 ppm
79-41-4	methacrylic acid	61 ppm
868-77-9	2-hydroxyethyl methacrylate	21 mg/m³
100-41-4	ethylbenzene	1100* ppm
77-58-7	dibutyltin dilaurate	8 mg/m³
556-67-2	octamethylcyclotetrasiloxane	68 ppm
PAC-3:		
123-86-4	n-butyl acetate	3000* ppm
1330-20-7	xylene	2500* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
80-62-6	methyl methacrylate	570 ppm
79-41-4	methacrylic acid	220 ppm
868-77-9	2-hydroxyethyl methacrylate	1,000 mg/m
100-41-4	ethylbenzene	1800* ppm
77-58-7	dibutyltin dilaurate	48 mg/m³
556-67-2	octamethylcyclotetrasiloxane	130 ppm

### 7 Handling and storage

- · Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · 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.

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- · 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 section 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	6-4 n-butyl acetate
PEL	Long-term value: 710 mg/m³, 150 ppm
REL	Short-term value: 950 mg/m³, 200 ppm
	Long-term value: 710 mg/m³, 150 ppm
TLV	Short-term value: 150 ppm
	Long-term value: 50 ppm
1330-2	0-7 xylene
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 655 mg/m³, 150 ppm
	Long-term value: 435 mg/m³, 100 ppm
TLV	Long-term value: 20 ppm
	BEI, A4
108-65	-6 2-methoxy-1-methylethyl acetate
WEEL	Long-term value: 50 ppm
80-62-	6 methyl methacrylate
PEL	Long-term value: 410 mg/m³, 100 ppm
REL	Long-term value: 410 mg/m³, 100 ppm
TLV	Short-term value: 100 ppm
	Long-term value: 50 ppm
	DSEN, A4
100-41	-4 ethylbenzene
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 545 mg/m³, 125 ppm
	Long-term value: 435 mg/m³, 100 ppm
TLV	Long-term value: 20 ppm
	OTŎ, BEI, A3
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#### · Ingredients with biological limit values:

#### 1330-20-7 xylene

BEI 1.5 g/g creatinine

Medium: urine Time: end of shift

Parameter: Methylhippuric acids

#### 100-41-4 ethylbenzene

BEI 0.15 g/g creatinine

Medium: urine

Time: end of shift at end of workweek

Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

#### · 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 PI	hysical	and d	chemical	properties

<ul> <li>Information on basic physic</li> </ul>	al and chemical p	properties
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· General Information

· Appearance:

Form: Liquid Color: Blue

Odor: CharacteristicOdor 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: Flammable.

• Auto igniting: 315 °C (599 °F)

Decomposition temperature: Not determined.

· Ignition temperature: 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 g/cm³ (8.345 lbs/gal)

Relative density
 Vapor density
 Evaporation rate
 Not determined.
 Not determined.

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· Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/w	ater): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	44.7 %	
Coating VOC content:	44.68 %	
•	446.8 g/l / 3.73 lb/gal	
Material VOC content:	446.8 g/l / 3.73 lb/gal	
Solids content:	54.6 %	
· 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:

#### 123-86-4 n-butyl acetate

 Oral
 LD50
 13,100 mg/kg (rat)

 Dermal
 LD50
 >5,000 mg/kg (rabbit)

 Inhalative
 LC50/4 h
 >21 mg/l (rat)

- Primary irritant effect:
- on the skin: No irritant effect.
- · on the eye: No irritating effect.

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- · Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· Carcinogenic categories

· IARC (Inte	rnational Agency for Research on Cancer)	
1330-20-7	xylene	3
80-62-6	methyl methacrylate	3
100-41-4	ethylbenzene	2B
· NTP (Natio	onal Toxicology Program)	
None of the	e ingredients is listed.	
· OSHA-Ca	(Occupational Safety & Health Administration)	
None of the	e 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.

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

Transport information	
UN-Number DOT, ADR, IMDG, IATA	UN1263
UN proper shipping name DOT ADR IMDG, IATA	Paint 1263 PAINT PAINT
Transport hazard class(es) DOT	NOT APPLICABLE
Class Label	3 Flammable liquids 3
ADR, IMDG, IATA	
Class Label	3 Flammable liquids 3
Packing group DOT, ADR, IMDG, IATA	III
Environmental hazards: Marine pollutant:	No
Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids 30 F-E, <u>S-E</u> A
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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	(Contd. of page
· Transport/Additional information:	
· DOT · Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· 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) · Excepted quantities (EQ)	5L 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 No further relevant information available.
- · Sara

	5 (extremely hazardous substances):	
None of the	e ingredients is listed.	
Section 31	3 (Specific toxic chemical listings):	
1330-20-7	xylene	
80-62-6	methyl methacrylate	
100-41-4	ethylbenzene	
TSCA (Tox	ric Substances Control Act):	
123-86-4	n-butyl acetate	ACTIV
1330-20-7	xylene	ACTIV
108-65-6	2-methoxy-1-methylethyl acetate	ACTIV
80-62-6	methyl methacrylate	ACTIV
26761-45-5	2,3-epoxypropyl neodecanoate	ACTIV
79-41-4	methacrylic acid	ACTIV
	2 by californ cathod months are class	ACTIV
868-77-9	2-hydroxyethyl methacrylate	ACTIV





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77-58-7	dibutyltin dilaurate	(Contd. of	CTI
	octamethylcyclotetrasiloxane		CTI
	s Air Pollutants		
1330-20-7	xylene		
80-62-6	methyl methacrylate		
100-41-4	ethylbenzene		
Propositio	n 65		
Chemicals	known to cause cancer:		
100-41-4 ε	ethylbenzene		
Chemicals	known to cause reproductive toxicity for females	:	
None of the	e ingredients is listed.		
Chemicals	known to cause reproductive toxicity for males:		
None of the	e ingredients is listed.		
Chemicals	known to cause developmental toxicity:		
None of the	e ingredients is listed.		
Carcinoge	nic categories		
EPA (Envi	ronmental Protection Agency)		
1330-20-7	xylene		I
80-62-6	methyl methacrylate		E, I
100-41-4	ethylbenzene		D
TLV (Thres	shold Limit Value)		
1330-20-7			
	methyl methacrylate		4
	ethylbenzene		
77_58_7	dibutyltin dilaurate		

#### · GHS label elements

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

· Hazard pictograms







GHS02 GHS07 GHS08

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

n-butyl acetate ethylbenzene methyl methacry

methyl methacrylate

2,3-epoxypropyl neodecanoate

2-hydroxyethyl methacrylate

· Hazard statements

Flammable liquid and vapor.

May cause an allergic skin reaction.

Suspected of causing cancer.

May cause drowsiness or dizziness.

· Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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.

IF exposed or concerned: Get medical advice/attention.

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 CO2, powder or water spray to extinguish.

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.

#### 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

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· Contact: N/A

· Date of preparation / last revision 10/22/2024 / 1.0

Abbreviations and acronyms:

ADR: Accord relatif au transport international 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

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

Flammable Liquids 3: Flammable liquids – Category 3 Sensitization - Skin 1: Skin sensitisation - Category 1

Carcinogenicity 2: Carcinogenicity – Category 2 Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

· \* Data compared to the previous version altered.