



## 1 Identification

- **Product identifier**
- **Trade name: 621 LUMINOUS GREEN**
- **Article number: 621**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
General Paint Co. SAL  
P.O. Box 7623  
Beirut  
LEBANON  
info@generalpaint.biz
- **Information department: Product safety department**
- **Emergency telephone number: 1-800-535-5053**

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.



GHS07

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 GHS08

- **Signal word Warning**

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

n-butyl acetate  
Solvent naphtha (petroleum), light arom.

- **Hazard statements**

Flammable liquid and vapor.  
Suspected of causing cancer.  
May cause drowsiness or dizziness.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Use explosion-proof electrical/ventilating/lighting/equipment.



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Avoid breathing dust/fume/gas/mist/vapors/spray  
Wear protective gloves / eye protection / face protection.  
Ground/bond container and receiving equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Use only outdoors or in a well-ventilated area.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Call a poison center/doctor if you feel unwell.  
IF exposed or concerned: Get medical advice/attention.  
In case of fire: Use for extinction: CO2, powder or water spray.  
Store locked up.  
Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **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.

· **Dangerous components:**

|            |  |         |
|------------|--|---------|
| 123-86-4   | n-butyl acetate                          | 10-25%  |
| 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. | 2.5-10% |
| 100-41-4   | ethylbenzene                             | ½ 2.5%  |

**4 First-aid measures**

· **Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.

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- **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:** *CO<sub>2</sub>, sand, extinguishing powder. Do not use water.*
- **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 product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
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).  
Do not flush with water or aqueous cleansing agents*
- **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.*

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** *No special precautions are necessary if used correctly.*
- **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.*

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### 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:**

**123-86-4 n-butyl acetate**

|     |  |
|-----|--|
| PEL | Long-term value: 710 mg/m <sup>3</sup> , 150 ppm   |
| REL | Short-term value: 950 mg/m <sup>3</sup> , 200 ppm<br>Long-term value: 710 mg/m <sup>3</sup> , 150 ppm  |
| TLV | Short-term value: (950) NIC-712 mg/m <sup>3</sup> , (200) NIC-150 ppm<br>Long-term value: (713) NIC-238 mg/m <sup>3</sup> , (150) NIC-50 ppm |

**1330-20-7 xylene**

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

**108-65-6 2-methoxy-1-methylethyl acetate**

|      |                         |
|------|-------------------------|
| WEEL | Long-term value: 50 ppm |
|------|-------------------------|

· **Ingredients with biological limit values:**

**1330-20-7 xylene**

|     |  |
|-----|--|
| BEI | 1.5 g/g creatinine<br>Medium: urine<br>Time: end of shift<br>Parameter: Methylhippuric acids |
|-----|--|

· **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.  
Wash hands before breaks and at the end of work.*

· **Breathing equipment:** *Not required.*

· **Protection of hands:**

*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:              | <i>Liquid</i>          |
| Color:             | <i>Green</i>           |
| · Odor:            | <i>Characteristic</i>  |
| · Odour threshold: | <i>Not determined.</i> |

· pH-value: *Not determined.*

· Change in condition

|                              |                        |
|------------------------------|------------------------|
| Melting point/Melting range: | <i>Undetermined.</i>   |
| Boiling point/Boiling range: | <i>124 °C (255 °F)</i> |

· Flash point: *25 °C (77 °F)*

· Flammability (solid, gaseous): *Not applicable.*

· Ignition temperature: *315 °C (599 °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: | <i>1.2 Vol %</i> |
| Upper: | <i>7.5 Vol %</i> |

· Vapor pressure at 20 °C (68 °F): *10.7 hPa (8 mm Hg)*

· Density at 20 °C (68 °F): *1.002 g/cm<sup>3</sup> (8.362 lbs/gal)*

· Relative density: *Not determined.*

· Vapour 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.*

· Viscosity:

|            |                        |
|------------|------------------------|
| Dynamic:   | <i>Not determined.</i> |
| Kinematic: | <i>Not determined.</i> |

· Solvent content:

|                      |                               |
|----------------------|-------------------------------|
| Organic solvents:    | <i>50.8 %</i>                 |
| Coating VOC content: | <i>50.8 %</i>                 |
|                      | <i>509.1 g/l / 4.25 lb/gl</i> |

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|                              |  |
|------------------------------|--|
| <b>Material VOC content:</b> | 509.1 g/l / 4.25 lb/gl                     |
| <b>Solids content:</b>       | 49.1 %                                     |
| <b>Other information</b>     | 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 | 4300 mg/kg (rat)    |
| Dermal | LD50 | 2000 mg/kg (rabbit) |

**64742-95-6 Solvent naphtha (petroleum), light arom.**

|            |          |                   |
|------------|----------|-------------------|
| Oral       | LD50     | >6800 mg/kg (rat) |
| Dermal     | LD50     | >3400 mg/kg (rab) |
| Inhalative | LC50/4 h | >10.2 mg/l (rat)  |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

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

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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### 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.*
- **Ecotoxicological effects:**
- **Remark:** *Harmful to fish*
- **Additional ecological information:**
- **General notes:**  
*Water hazard class 3 (Self-assessment): extremely hazardous for water*  
*Do not allow product to reach ground water, water course or sewage system, even in small quantities.*  
*Danger to drinking water if even extremely small quantities leak into the ground.*  
*Harmful to aquatic organisms*
- **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.*

### 14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** *UN1263*
- **UN proper shipping name**
- **DOT** *Paint*
- **ADR** *1263 Paint*
- **IMDG, IATA** *PAINT*

· **Transport hazard class(es)**

· **DOT**



· **Class**

*3 Flammable liquids*

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# Safety Data Sheet


acc. to OSHA HCS

Printing date 10/21/2015

Reviewed on 05/02/2015

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|   |  |
|---|--|
| · Label   | 3  |
| · ADR, IATA   |  |
|  |  |
| · Class   | 3 Flammable liquids  |
| · Label   | 3  |
| · IMDG  |  |
| · Class   | 3 Flammable liquids  |
| · Packing group   |  |
| · DOT, ADR, IMDG, IATA  | III  |
| · Environmental hazards:  |  |
| · Marine pollutant:   | No   |
| · Special precautions for user  | Warning: Flammable liquids   |
| · EMS Number:   | F-E,S-E  |
| · 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<br>On cargo aircraft only: 220 L  |
| · ADR   |  |
| · Excepted quantities (EQ)  | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · IMDG  |  |
| · Limited quantities (LQ)   | 5L   |
| · Excepted quantities (EQ)  | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · UN "Model Regulation":  | UN1263, 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              |
| 100-41-4  | ethylbenzene        |
| 80-62-6   | methyl methacrylate |

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· **TSCA (Toxic Substances Control Act):**

|            |  |
|------------|--|
| 123-86-4   | <i>n</i> -butyl acetate                    |
| 1330-20-7  | xylene                                     |
| 108-65-6   | 2-methoxy-1-methylethyl acetate            |
| 64742-95-6 | Solvent naphtha (petroleum), light arom.   |
| 100-41-4   | ethylbenzene                               |
| 80-62-6    | methyl methacrylate                        |
| 136-53-8   | ZINC 2-ETHYLEXANOATE                       |
| 97-88-1    | <i>n</i> -butyl methacrylate               |
| 64742-88-7 | Solvent naphtha (petroleum), medium aliph. |
| 77-58-7    | dibutyltin dilaurate                       |

· **Proposition 65**

· **Chemicals known to cause cancer:**

|          |              |
|----------|--------------|
| 100-41-4 | ethylbenzene |
|----------|--------------|

· **Chemicals known to cause reproductive toxicity for females:**

|                                    |  |
|------------------------------------|--|
| None of the ingredients is listed. |  |
|------------------------------------|--|

· **Chemicals known to cause reproductive toxicity for males:**

|                                    |  |
|------------------------------------|--|
| None of the ingredients is listed. |  |
|------------------------------------|--|

· **Chemicals known to cause developmental toxicity:**

|                                    |  |
|------------------------------------|--|
| None of the ingredients is listed. |  |
|------------------------------------|--|

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

|           |                     |       |
|-----------|---------------------|-------|
| 1330-20-7 | xylene              | I     |
| 100-41-4  | ethylbenzene        | D     |
| 80-62-6   | methyl methacrylate | E, NL |

· **TLV (Threshold Limit Value established by ACGIH)**

|           |                      |    |
|-----------|----------------------|----|
| 1330-20-7 | xylene               | A4 |
| 100-41-4  | ethylbenzene         | A3 |
| 80-62-6   | methyl methacrylate  | A4 |
| 77-58-7   | dibutyltin dilaurate | A4 |

· **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 GHS08

· **Signal word** *Warning*

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

*n*-butyl acetate  
Solvent naphtha (petroleum), light arom.

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· **Hazard statements**

*Flammable liquid and vapor.  
Suspected of causing cancer.  
May cause drowsiness or dizziness.*

· **Precautionary statements**

*Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Wear protective gloves / eye protection / face protection.  
Ground/bond container and receiving equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Use only outdoors or in a well-ventilated area.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Call a poison center/doctor if you feel unwell.  
IF exposed or concerned: Get medical advice/attention.  
In case of fire: Use for extinction: CO2, powder or water spray.  
Store locked up.  
Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
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

· **Contact:** Ms. Topaljikian

· **Date of preparation / last revision** 10/21/2015 / -

· **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  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Carc. 2: Carcinogenicity, Hazard Category 2  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*