



**1 Identification**

- **Product identifier**
- **Trade name: 639 BRILLIANT YELLOW**
- **Article number: 639**
- **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

Skin Irrit. 2 H315 Causes skin irritation.

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.  
Causes skin irritation.  
Suspected of causing cancer.  
May cause drowsiness or dizziness.



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- **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.  
 Wash thoroughly after handling.  
 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.  
 Specific treatment (see on this label).  
 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.  
 If skin irritation occurs: Get medical advice/attention.  
 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
 Take off contaminated clothing and wash it before reuse.  
 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   | <i>n</i> -butyl acetate                  | 25-50%  |
| 1330-20-7  | xylene                                   | 10-25%  |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | 2.5-10% |
| 108-65-6   | 2-methoxy-1-methylethyl acetate          | ½ 2.5%  |

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100-41-4 ethylbenzene

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½ 2.5%

#### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** *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, 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 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).  
Ensure adequate ventilation.  
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**  
*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 from heat.  
Protect against electrostatic charges.*

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- **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.*  
*Protect from heat and direct sunlight.*
- **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:**

**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.*  
*Immediately remove all soiled and contaminated clothing.*  
*Wash hands before breaks and at the end of work.*  
*Avoid contact with the skin.*  
*Avoid contact with the eyes and skin.*
- **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.*

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· **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.*

· **Eye protection:**



*Tightly sealed goggles*

**9 Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

|                           |                        |
|---------------------------|------------------------|
| · <b>Form:</b>            | <i>Liquid</i>          |
| · <b>Color:</b>           | <i>Yellow</i>          |
| · <b>Odor:</b>            | <i>Characteristic</i>  |
| · <b>Odour threshold:</b> | <i>Not determined.</i> |

|                    |                        |
|--------------------|------------------------|
| · <b>pH-value:</b> | <i>Not determined.</i> |
|--------------------|------------------------|

· **Change in condition**

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

|                       |                      |
|-----------------------|----------------------|
| · <b>Flash point:</b> | <i>25 °C (77 °F)</i> |
|-----------------------|----------------------|

|   |                        |
|---|------------------------|
| · <b>Flammability (solid, gaseous):</b> | <i>Not applicable.</i> |
|---|------------------------|

|                                |                        |
|--------------------------------|------------------------|
| · <b>Ignition temperature:</b> | <i>370 °C (698 °F)</i> |
|--------------------------------|------------------------|

|                                     |                        |
|-------------------------------------|------------------------|
| · <b>Decomposition temperature:</b> | <i>Not determined.</i> |
|-------------------------------------|------------------------|

|                         |                                     |
|-------------------------|-------------------------------------|
| · <b>Auto igniting:</b> | <i>Product is not selfigniting.</i> |
|-------------------------|-------------------------------------|

|                               |   |
|-------------------------------|---|
| · <b>Danger of explosion:</b> | <i>Product is not explosive. However, formation of explosive air/vapor mixtures are possible.</i> |
|-------------------------------|---|

· **Explosion limits:**

|                 |                  |
|-----------------|------------------|
| · <b>Lower:</b> | <i>1.1 Vol %</i> |
|-----------------|------------------|

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|   |  |
|---|--|
| <b>Upper:</b>                                     | 7.5 Vol %                                  |
| · <b>Vapor pressure at 20 °C (68 °F):</b>         | 10.7 hPa (8 mm Hg)                         |
| · <b>Density at 20 °C (68 °F):</b>                | 1.007 g/cm <sup>3</sup> (8.403 lbs/gal)    |
| · <b>Relative density</b>                         | Not determined.                            |
| · <b>Vapour density</b>                           | Not determined.                            |
| · <b>Evaporation rate</b>                         | Not determined.                            |
| · <b>Solubility in / Miscibility with Water:</b>  | Not miscible or difficult to mix.          |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| · <b>Viscosity:</b>                               |  |
| <b>Dynamic:</b>                                   | Not determined.                            |
| <b>Kinematic:</b>                                 | Not determined.                            |
| · <b>Solvent content:</b>                         |  |
| <b>Organic solvents:</b>                          | 47.3 %                                     |
| <b>Coating VOC content:</b>                       | 47.3 %                                     |
|   | 476.0 g/l / 3.97 lb/gal                    |
| <b>Material VOC content:</b>                      | 476.0 g/l / 3.97 lb/gal                    |
| · <b>Solids content:</b>                          | 52.5 %                                     |
| · <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:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.

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- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**  
*The product shows the following dangers according to internally approved calculation methods for preparations:*  
*Irritant*

· **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.*

**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 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.*
- **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

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|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· UN proper shipping name</li> <li>· DOT</li> <li>· ADR</li> <li>· IMDG, IATA</li> </ul>   | <p><i>Paint</i></p> <p><i>1263 Paint</i></p> <p><i>PAINT</i></p>  |
| <ul style="list-style-type: none"> <li>· Transport hazard class(es)</li> <li>· DOT</li> </ul>  | <p><i>3 Flammable liquids</i></p> <p><i>3</i></p>   |
| <ul style="list-style-type: none"> <li>· ADR, IMDG, IATA</li> </ul>                            | <p><i>3 Flammable liquids</i></p> <p><i>3</i></p>   |
| <ul style="list-style-type: none"> <li>· Packing group</li> <li>· DOT, ADR, IMDG, IATA</li> </ul>   | <p><i>III</i></p>   |
| <ul style="list-style-type: none"> <li>· Environmental hazards:</li> <li>· Marine pollutant:</li> </ul>   | <p><i>No</i></p>  |
| <ul style="list-style-type: none"> <li>· Special precautions for user</li> <li>· Danger code (Kemler):</li> <li>· EMS Number:</li> </ul>  | <p><i>Warning: Flammable liquids</i></p> <p><i>30</i></p> <p><i>F-E,S-E</i></p>   |
| <ul style="list-style-type: none"> <li>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>   | <p><i>Not applicable.</i></p>   |
| <ul style="list-style-type: none"> <li>· Transport/Additional information:</li> <li>· DOT</li> <li>· Quantity limitations</li> </ul>  | <p><i>On passenger aircraft/rail: 60 L</i></p> <p><i>On cargo aircraft only: 220 L</i></p>  |
| <ul style="list-style-type: none"> <li>· ADR</li> <li>· Excepted quantities (EQ)</li> </ul>   | <p><i>Code: E1</i></p> <p><i>Maximum net quantity per inner packaging: 30 ml</i></p> <p><i>Maximum net quantity per outer packaging: 1000 ml</i></p>                  |
| <ul style="list-style-type: none"> <li>· IMDG</li> <li>· Limited quantities (LQ)</li> <li>· Excepted quantities (EQ)</li> </ul>   | <p><i>5L</i></p> <p><i>Code: E1</i></p> <p><i>Maximum net quantity per inner packaging: 30 ml</i></p> <p><i>Maximum net quantity per outer packaging: 1000 ml</i></p> |
| <ul style="list-style-type: none"> <li>· UN "Model Regulation":</li> </ul>  | <p><i>UN1263, Paint, 3, III</i></p>   |

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**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

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

*All ingredients are listed.*

· **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.  
Causes skin irritation.  
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.  
Wash thoroughly after handling.  
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.  
Specific treatment (see on this label).  
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.  
If skin irritation occurs: Get medical advice/attention.  
In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
Take off contaminated clothing and wash it before reuse.  
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** *10/14/2015 / -*

· **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*

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*Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*

*Carc. 2: Carcinogenicity, Hazard Category 2*

*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*

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