



## Safety Data Sheet

acc. to OSHA HCS

Printing date 07/13/2018

Reviewed on 07/15/2017

### 1 Identification

- **Product identifier**
- **Trade name:** 601 CONCENTRATED WHITE
- **Article number:** 601
- **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:**  
Emergency telephone number: 1-800-535-5053 contract number (89244)

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids - Category 3

H226 Flammable liquid and vapour.



GHS08 Health hazard

Carcinogenicity – Category 2

H351 Suspected of causing cancer.



GHS07

Acute Toxicity (Inhalation) - Category 4 H332 Harmful if inhaled.

Skin Sensitizer - Category 1

H317 May cause an allergic skin reaction.

- **Label elements**

- **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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**Trade name: 601 CONCENTRATED WHITE**

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

titanium dioxide

xylene

Solvent naphtha (petroleum), light arom.

2,3-epoxypropyl neodecanoate

methyl methacrylate

**Hazard statements**

Flammable liquid and vapour.

Harmful if inhaled.

May cause an allergic skin reaction.

Suspected of causing cancer.

**Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Obtain special instructions before use.

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground and bond container and receiving equipment.

Use explosion-proof [electrical/ventilating/lighting] equipment.

Use non-sparking tools.

Take actions to prevent static discharges.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should 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 [or 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).

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

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

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**· HMIS-ratings (scale 0 - 4)**

|            |   |                |
|------------|---|----------------|
| HEALTH     | 1 | Health = 1     |
| FIRE       | 3 | Fire = 3       |
| REACTIVITY | 0 | Reactivity = 0 |

### 3 Composition/information on ingredients

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

|            |  |              |
|------------|--|--------------|
| 13463-67-7 | titanium dioxide                         | 15-40% w/w * |
| 123-86-4   | n-butyl acetate                          | 7-13% w/w *  |
| 1330-20-7  | xylene                                   | 3-7% w/w *   |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | 3-7% w/w *   |
| 108-65-6   | 2-methoxy-1-methylethyl acetate          | 1-5% w/w *   |
| 80-62-6    | methyl methacrylate                      | 0.1-1% w/w * |
| 26761-45-5 | 2,3-epoxypropyl neodecanoate             | 0.1-1% w/w * |
| 100-41-4   | ethylbenzene                             | 0.1-1% w/w * |

\* Actual concentration ranges are withheld as a trade secret.

### 4 First-aid measures

**· Description of first aid measures****· General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**· 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.

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### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, 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:** Mouth respiratory protective device.

### 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.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **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.

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**· Control parameters****· Components with limit values that require monitoring at the workplace:****123-86-4 n-butyl acetate**

|    |   |
|----|---|
| EL | Long-term value: 20 ppm   |
| EV | Short-term value: 950 mg/m <sup>3</sup> , 200 ppm<br>Long-term value: 710 mg/m <sup>3</sup> , 150 ppm |

**1330-20-7 xylene**

|    |   |
|----|---|
| EL | Short-term value: 150 ppm<br>Long-term value: 100 ppm   |
| EV | Short-term value: 650 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 435 mg/m <sup>3</sup> , 100 ppm |

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

|    |   |
|----|---|
| EL | Short-term value: 75 ppm<br>Long-term value: 50 ppm |
| EV | Long-term value: 270 mg/m <sup>3</sup> , 50 ppm     |

**80-62-6 methyl methacrylate**

|    |  |
|----|--|
| EL | Short-term value: 100 ppm<br>Long-term value: 50 ppm<br>S(D) |
| EV | Short-term value: 100 ppm<br>Long-term value: 50 ppm         |

**100-41-4 ethylbenzene**

|    |   |
|----|---|
| EL | Long-term value: 20 ppm<br>IARC 2B  |
| EV | Short-term value: 540 mg/m <sup>3</sup> , 125 ppm<br>Long-term value: 435 mg/m <sup>3</sup> , 100 ppm |

**· 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.

**· 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

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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:**

|                 |                 |
|-----------------|-----------------|
| 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        |

|              |       |
|--------------|-------|
| Flash point: | 25 °C |
|--------------|-------|

|                                |                 |
|--------------------------------|-----------------|
| Flammability (solid, gaseous): | Not applicable. |
|--------------------------------|-----------------|

|                       |        |
|-----------------------|--------|
| Ignition temperature: | 370 °C |
|-----------------------|--------|

|                            |                 |
|----------------------------|-----------------|
| 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. |
|----------------------|--|

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|   |  |
|---|--|
| · <b>Explosion limits:</b>                        |  |
| <b>Lower:</b>                                     | 1.2 Vol %                                  |
| <b>Upper:</b>                                     | 7.5 Vol %                                  |
| · <b>Vapor pressure at 20 °C:</b>                 | 10.7 hPa                                   |
| · <b>Density at 20 °C:</b>                        | 1.358 g/cm <sup>3</sup>                    |
| · <b>Relative density</b>                         | Not determined.                            |
| · <b>Vapor 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>                          | 29.6 %                                     |
| <b>Coating VOC content:</b>                       | 29.57 %                                    |
|   | 401.5 g/l / 3.35 lb/gl                     |
| <b>Material VOC content:</b>                      | 401.5 g/l / 3.35 lb/gl                     |
| · <b>Solids content:</b>                          | 70.0 %                                     |
| · <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.

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### 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) |

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

|            |          |                    |
|------------|----------|--------------------|
| Oral       | LD50     | >6,800 mg/kg (rat) |
| Dermal     | LD50     | >3,400 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:** Sensitization possible through skin contact.

- **Additional toxicological information:**

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

Harmful  
Irritant

- **Carcinogenic categories**

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

|            |                     |    |
|------------|---------------------|----|
| 13463-67-7 | titanium dioxide    | 2B |
| 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.

### 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.

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- **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.

### 14 Transport information

- |   |                     |
|---|---------------------|
| · <b>UN-Number</b>  |                     |
| · <b>DOT, TDG, IMDG, IATA</b>   | UN1263              |
| · <b>UN proper shipping name</b>  |                     |
| · <b>DOT</b>  | Paint               |
| · <b>TDG</b>  | 1263 Paint          |
| · <b>IMDG, IATA</b>   | PAINT               |
| · <b>Transport hazard class(es)</b>   |                     |
| · <b>DOT</b>  |                     |
|  |                     |
| · <b>Class</b>  | 3 Flammable liquids |
| · <b>Label</b>  | 3                   |

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**· TDG, IMDG, IATA**

· **Class** 3 Flammable liquids  
· **Label** 3

· **Packing group**  
· **DOT, TDG, IMDG, IATA** III

· **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 MARPOL 73/78 and the IBC Code** Not applicable.

**· Transport/Additional information:**

· **DOT**  
· **Quantity limitations** On passenger aircraft/rail: 60 L  
On cargo aircraft only: 220 L

· **TDG**  
· **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.

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**· Section 313 (Specific toxic chemical listings):**

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

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

|            |  |
|------------|--|
| 13463-67-7 | titanium dioxide                           |
| 123-86-4   | n-butyl acetate                            |
| 1330-20-7  | xylene                                     |
| 108-65-6   | 2-methoxy-1-methylethyl acetate            |
| 80-62-6    | methyl methacrylate                        |
| 26761-45-5 | 2,3-epoxypropyl neodecanoate               |
| 100-41-4   | ethylbenzene                               |
| 868-77-9   | 2-hydroxyethyl methacrylate                |
| 79-41-4    | methacrylic acid                           |
| 78-83-1    | butanol                                    |
| 136-53-8   | ZINC 2-ETHYLEXANOATE                       |
| 64742-88-7 | Solvent naphtha (petroleum), medium aliph. |
| 57-55-6    | Propylene glycol                           |
| 77-58-7    | dibutyltin dilaurate                       |
| 556-67-2   | octamethylcyclotetrasiloxane               |

**· Canadian substance listings:****· Canadian Domestic Substances List (DSL)**

|            |  |
|------------|--|
| 13463-67-7 | titanium dioxide                           |
| 123-86-4   | n-butyl acetate                            |
| 1330-20-7  | xylene                                     |
| 108-65-6   | 2-methoxy-1-methylethyl acetate            |
| 80-62-6    | methyl methacrylate                        |
| 26761-45-5 | 2,3-epoxypropyl neodecanoate               |
| 100-41-4   | ethylbenzene                               |
| 868-77-9   | 2-hydroxyethyl methacrylate                |
| 79-41-4    | methacrylic acid                           |
| 78-83-1    | butanol                                    |
| 136-53-8   | ZINC 2-ETHYLEXANOATE                       |
| 64742-88-7 | Solvent naphtha (petroleum), medium aliph. |
| 57-55-6    | Propylene glycol                           |
| 77-58-7    | dibutyltin dilaurate                       |
| 556-67-2   | octamethylcyclotetrasiloxane               |

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**· Canadian Ingredient Disclosure list (limit 0.1%)**

100-41-4 ethylbenzene

**· Canadian Ingredient Disclosure list (limit 1%)**

123-86-4 n-butyl acetate

**· 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:**

titanium dioxide

xylene

Solvent naphtha (petroleum), light arom.

2,3-epoxypropyl neodecanoate

methyl methacrylate

**· Hazard statements**

Flammable liquid and vapour.

Harmful if inhaled.

May cause an allergic skin reaction.

Suspected of causing cancer.

**· Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Obtain special instructions before use.

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground and bond container and receiving equipment.

Use explosion-proof [electrical/ventilating/lighting] equipment.

Use non-sparking tools.

Take actions to prevent static discharges.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should 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 [or 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.

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*Specific treatment (see on this label).*

*Take off contaminated clothing and wash it before reuse.*

*If skin irritation or rash occurs: Get medical advice/attention.*

*In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.*

*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

· **Contact:** Ms. Topaljikian

· **Date of the latest revision of the safety data sheet** 07/13/2018 / -

· **Abbreviations and acronyms:**

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