



## 1 Identification

- **Product identifier**
- **Trade name:** **781 CARBON BLACK**
- **Article number:** 781
- **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.

STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.



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

ethylbenzene

Solvent naphtha (petroleum), light arom.

- **Hazard statements**

Flammable liquid and vapor.

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Causes skin irritation.  
 Suspected of causing cancer.  
 May cause drowsiness or dizziness.  
 May cause damage to the hearing organs through prolonged or repeated exposure.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Use explosion-proof electrical/ventilating/lighting/equipment.  
 Do not breathe 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.  
 Get medical advice/attention if you feel unwell.  
 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)**



Health = 1  
 Fire = 3  
 Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = \*1  
 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.

· **Dangerous components:**

123-86-4	n-butyl acetate	25-50%
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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%
100-41-4	ethylbenzene	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.*

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*Protect from heat.*  
*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.*  
*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 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 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 Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

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

WEEL	Long-term value: 50 ppm
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**100-41-4 ethylbenzene**

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 87 mg/m <sup>3</sup> , 20 ppm BEI

· **Ingredients with biological limit values:**

**1330-20-7 xylene**

BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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**100-41-4 ethylbenzene**

<b>BEI</b>	<p>0.7 g/g creatinine          Medium: urine          Time: end of shift at end of workweek          Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)</p> <p>-          Medium: end-exhaled air          Time: not critical          Parameter: Ethyl benzene (semi-quantitative)</p>
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- **Additional information:** *The lists that were valid during the creation were used as basis.*
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
*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.*
- **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



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### 9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form:	Liquid
Color:	Black
Odor:	Characteristic
Odour threshold:	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	124 °C (255 °F)

· **Flash point:** 25 °C (77 °F)

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

· **Ignition temperature:** 370 °C (698 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

Lower:	1.1 Vol %
Upper:	7.5 Vol %

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

· **Density at 20 °C (68 °F):** 0.95 g/cm<sup>3</sup> (7.928 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:	Not determined.
Kinematic:	Not determined.

· **Solvent content:**

Organic solvents:	76.5 %
Coating VOC content:	76.5 %
	727.2 g/l / 6.07 lb/gl
Material VOC content:	727.2 g/l / 6.07 lb/gl

· **Solids content:** 23.4 %

· **Other information** No further relevant information available.

### 10 Stability and reactivity

· **Reactivity** No further relevant information available.

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- **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.*
- **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

- **NTP (National Toxicology Program)**

*None of the ingredients is listed.*

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

*None of the ingredients is listed.*

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behavior in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Mobility in soil** *No further relevant information available.*
- **Additional ecological information:**
- **General notes:**  
*Water hazard class 2 (Self-assessment): hazardous for water*

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*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**

· **UN-Number**

· **DOT, ADR, IMDG, IATA** UN1263

· **UN proper shipping name**

· **DOT** *Paint*  
 · **ADR** *1263 Paint*  
 · **IMDG, IATA** *PAINT*

· **Transport hazard class(es)**

· **DOT**



· **Label** 3

· **ADR**



· **Class** *3 Flammable liquids*

· **Label** 3

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## · IMDG



· Label 3

## · IATA



· Class 6.1 Toxic substances  
 · Label 3

· 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  
 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) 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": 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

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100-41-4	ethylbenzene
<b>· TSCA (Toxic Substances Control Act):</b>	
123-86-4	<i>n</i> -butyl acetate
1330-20-7	xylene
64742-95-6	Solvent naphtha (petroleum), light arom.
108-65-6	2-methoxy-1-methylethyl acetate
100-41-4	ethylbenzene
107-98-2	1-methoxy-2-propanol

**· Proposition 65**

**· Chemicals known to cause cancer:**

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

*None of the ingredients is listed.*

**· 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

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

1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3

**· 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  
ethylbenzene  
Solvent naphtha (petroleum), light arom.

**· Hazard statements**

*Flammable liquid and vapor.*  
*Causes skin irritation.*  
*Suspected of causing cancer.*  
*May cause drowsiness or dizziness.*  
*May cause damage to the hearing organs through prolonged or repeated exposure.*

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· **Precautionary statements**

- Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*
  - Use explosion-proof electrical/ventilating/lighting/equipment.*
  - Do not breathe 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.*
  - Get medical advice/attention if you feel unwell.*
  - In case of fire: Use for extinction: CO2, 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:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
  - ICAO: International Civil Aviation Organisation*
  - 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)*
  - HMS: 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*
  - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*
  - Carc. 2: Carcinogenicity, Hazard Category 2*

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*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*  
*STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2*

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