# Safety Data Sheet
## acc. to OSHA HCS

Printing date 09/11/2019 Reviewed on 05/06/2019

## 1 Identification

· **Product identifier**

· **Trade name: GO378 XIRALLIC BLUE**

· **Article number:** GO378

· **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**
Flam. Liq. 4 H227 Combustible liquid.

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms** Void
· **Signal word** Warning
· **Hazard statements**
Combustible liquid.
· **Precautionary statements**
Keep away from flames and hot surfaces. – No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
In case of fire: Use for extinction: CO2, powder or water spray.
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 = 0
Fire = 2
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**


Health = 0
Fire = 2
Reactivity = 0

(Contd. on page 2)

# Safety Data Sheet
## acc. to OSHA HCS

Printing date 09/11/2019 Reviewed on 05/06/2019

**Trade name: GO378 XIRALLIC BLUE**

(Contd. of page 1)

· **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:** | | |
|---|---|---|
| 111-76-2 | 2-butoxyethanol | >2.5-≤10% |
| 67-63-0 | propan-2-ol | ≤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:** Generally the product does not irritate the skin.
· **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, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **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.

(Contd. on page 3)

# Safety Data Sheet
## acc. to OSHA HCS

Printing date 09/11/2019 Reviewed on 05/06/2019

**Trade name: GO378 XIRALLIC BLUE**

(Contd. of page 2)

· **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**
No dangerous substances are released.
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:** | | |
|---|---|---|
| 111-76-2 | 2-butoxyethanol | 60 ppm |
| 67-63-0 | propan-2-ol | 400 ppm |
| 108-01-0 | 2-dimethylaminoethanol | 3.7 ppm |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 50 ppm |
| 1330-20-7 | xylene | 130 ppm |
| 100-41-4 | ethylbenzene | 33 ppm |
| 140-88-5 | ethyl acrylate | 8.3 ppm |

| · **PAC-2:** | | |
|---|---|---|
| 111-76-2 | 2-butoxyethanol | 120 ppm |
| 67-63-0 | propan-2-ol | 2000* ppm |
| 108-01-0 | 2-dimethylaminoethanol | 40 ppm |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 1,000 ppm |
| 1330-20-7 | xylene | 920* ppm |
| 100-41-4 | ethylbenzene | 1100* ppm |
| 140-88-5 | ethyl acrylate | 36 ppm |

| · **PAC-3:** | | |
|---|---|---|
| 111-76-2 | 2-butoxyethanol | 700 ppm |
| 67-63-0 | propan-2-ol | 12000** ppm |
| 108-01-0 | 2-dimethylaminoethanol | 72 ppm |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 5000* ppm |
| 1330-20-7 | xylene | 2500* ppm |
| 100-41-4 | ethylbenzene | 1800* ppm |
| 140-88-5 | ethyl acrylate | 240 ppm |

## 7 Handling and storage

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

(Contd. on page 4)

# Safety Data Sheet
## acc. to OSHA HCS



(Contd. of page 3)

· **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.

· **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:** 10
· **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:** | |
|---|---|
| **111-76-2 2-butoxyethanol** | |
| PEL | Long-term value: 240 mg/m³, 50 ppm<br>Skin |
| REL | Long-term value: 24 mg/m³, 5 ppm<br>Skin |
| TLV | Long-term value: 97 mg/m³, 20 ppm<br>BEI |
| **67-63-0 propan-2-ol** | |
| PEL | Long-term value: 980 mg/m³, 400 ppm |
| REL | Short-term value: 1225 mg/m³, 500 ppm<br>Long-term value: 980 mg/m³, 400 ppm |
| TLV | Short-term value: 984 mg/m³, 400 ppm<br>Long-term value: 492 mg/m³, 200 ppm<br>BEI |

| · **Ingredients with biological limit values:** | |
|---|---|
| **111-76-2 2-butoxyethanol** | |
| BEI | 200 mg/g creatinine<br>Medium: urine<br>Time: end of shift<br>Parameter: Butoxyacetic acid with hydrolysis |
| **67-63-0 propan-2-ol** | |
| BEI | 40 mg/L<br>Medium: urine<br>Time: end of shift at end of workweek<br>Parameter: Acetone (background, nonspecific) |

(Contd. on page 5)

# Safety Data Sheet
## acc. to OSHA HCS

Printing date 09/11/2019 Reviewed on 05/06/2019

**Trade name: GO378 XIRALLIC BLUE**

(Contd. of page 4)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
· **Breathing equipment:** Not required.
· **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:** Goggles recommended during refilling.

## 9 Physical and chemical properties

| | |
|---|---|
| · **Information on basic physical and chemical properties** | |
| · **General Information** | |
| · **Appearance:** | |
| **Form:** | Fluid |
| **Color:** | According to product description |
| · **Odor:** | Characteristic |
| · **Odor threshold:** | Not determined. |
| · **pH-value:** | Not determined. |
| · **Change in condition** | |
| **Melting point/Melting range:** | Undetermined. |
| **Boiling point/Boiling range:** | 100 °C (212 °F) |
| · **Flash point:** | 68 °C (154.4 °F) |
| · **Flammability (solid, gaseous):** | Not applicable. |

(Contd. on page 6)

# Safety Data Sheet
## acc. to OSHA HCS



**Trade name: GO378 XIRALLIC BLUE**

(Contd. of page 5)

| | |
|---|---|
| · **Ignition temperature:** | 240 °C (464 °F) |
| · **Decomposition temperature:** | Not determined. |
| · **Auto igniting:** | Product is not selfigniting. |
| · **Danger of explosion:** | Not determined. |
| · **Explosion limits:** | |
| **Lower:** | Not determined. |
| **Upper:** | Not determined. |
| · **Vapor pressure at 20 °C (68 °F):** | 23 hPa (17.3 mm Hg) |
| · **Density at 20 °C (68 °F):** | 1.085 g/cm³ (9.05433 lbs/gal) |
| · **Relative density** | Not determined. |
| · **Vapor 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:** | 9.3 % |
| **Water:** | 69.6 % |
| **Coating VOC content:** | 9.31 % |
| | 412.9 g/l / 3.45 lb/gal |
| **Material VOC content:** | 101.0 g/l / 0.84 lb/gal |
| **Solids content:** | 20.8 % |
| · **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.

(Contd. on page 7)

# Safety Data Sheet
## acc. to OSHA HCS



**Trade name: GO378 XIRALLIC BLUE**

(Contd. of page 6)

· **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**
· **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)** | | |
|---|---|---|
| 111-76-2 | 2-butoxyethanol | 3 |
| 67-63-0 | propan-2-ol | 3 |
| 1330-20-7 | xylene | 3 |
| 100-41-4 | ethylbenzene | 2B |
| 140-88-5 | ethyl acrylate | 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 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

(Contd. on page 8)

# Safety Data Sheet
## acc. to OSHA HCS



**Trade name: GO378 XIRALLIC BLUE**

(Contd. of page 7)

· **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** | NOT APPLICABLE |
| · **UN proper shipping name** | NOT APPLICABLE |
| · **Transport hazard class(es)** | NOT APPLICABLE |
| · **Packing group** | NOT APPLICABLE |
| · **Environmental hazards:**<br>· **Marine pollutant:** | <br>No |
| · **Special precautions for user** | Not applicable. |
| · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** | Not applicable. |

## 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):**

| | |
|---|---|
| 111-76-2 | 2-butoxyethanol |
| 67-63-0 | propan-2-ol |
| 1330-20-7 | xylene |
| 100-41-4 | ethylbenzene |
| 140-88-5 | ethyl acrylate |

(Contd. on page 9)

# Safety Data Sheet
## acc. to OSHA HCS

Printing date 09/11/2019 Reviewed on 05/06/2019

**Trade name: GO378 XIRALLIC BLUE**

(Contd. of page 8)

| · **TSCA (Toxic Substances Control Act):** | | |
|---|---|---|
| 111-76-2 | 2-butoxyethanol | ACTIVE |
| 67-63-0 | propan-2-ol | ACTIVE |
| 108-01-0 | 2-dimethylaminoethanol | ACTIVE |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | ACTIVE |
| 1330-20-7 | xylene | ACTIVE |
| 100-41-4 | ethylbenzene | ACTIVE |
| 140-88-5 | ethyl acrylate | ACTIVE |
| 7732-18-5 | water, distilled, conductivity or of similar purity | ACTIVE |

| · **Hazardous Air Pollutants** | |
|---|---|
| 1330-20-7 | xylene |
| 100-41-4 | ethylbenzene |
| 140-88-5 | ethyl acrylate |

· **Proposition 65**

| · **Chemicals known to cause cancer:** | |
|---|---|
| 100-41-4 | ethylbenzene |
| 140-88-5 | ethyl acrylate |

· **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)** | | |
|---|---|---|
| 111-76-2 | 2-butoxyethanol | NL |
| 1330-20-7 | xylene | I |
| 100-41-4 | ethylbenzene | D |

| · **TLV (Threshold Limit Value established by ACGIH)** | | |
|---|---|---|
| 111-76-2 | 2-butoxyethanol | A3 |
| 67-63-0 | propan-2-ol | A4 |
| 1330-20-7 | xylene | A4 |
| 100-41-4 | ethylbenzene | A3 |
| 140-88-5 | ethyl acrylate | A4 |

| · **NIOSH-Ca (National Institute for Occupational Safety and Health)** | |
|---|---|
| 140-88-5 | ethyl acrylate |

(Contd. on page 10)

# Safety Data Sheet
## acc. to OSHA HCS

Printing date 09/11/2019 Reviewed on 05/06/2019

**Trade name: GO378 XIRALLIC BLUE**

(Contd. of page 9)

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms** Void
· **Signal word** Warning
· **Hazard statements**
Combustible liquid.
· **Precautionary statements**
Keep away from flames and hot surfaces. – No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
In case of fire: Use for extinction: CO2, powder or water spray.
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:** N/A
· **Date of preparation / last revision** 09/11/2019 / -
· **Abbreviations and acronyms:**
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)
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
Flam. Liq. 4: Flammable liquids – Category 4