# Safety Data Sheet
## acc. to OSHA HCS

Printing date 10/14/2015 Reviewed on 05/02/2015

## 1 Identification

· **Product identifier**

· **Trade name: 612 MIXING BLUE**

· **Article number:** 612

· **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.

GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
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

· **Signal word** Warning

· **Hazard-determining components of labeling:**
n-butyl acetate
Solvent naphtha (petroleum), light arom.
2,3-epoxypropyl neodecanoate
2-hydroxyethyl methacrylate
methyl methacrylate
· **Hazard statements**
Flammable liquid and vapor.
Causes skin irritation.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.

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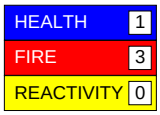
· **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves / eye protection / face protection.
Ground/bond container and receiving 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.
Contaminated work clothing must not be allowed out of the workplace.
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.
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
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.
· **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% |
| 1330-20-7 | xylene | 10-25% |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 2.5-10% |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | á 2.5% |
| 80-62-6 | methyl methacrylate | á 2.5% |

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| | | |
|---|---|---|
| 26761-45-5 | 2,3-epoxypropyl neodecanoate | á 2.5% |
| 868-77-9 | 2-hydroxyethyl methacrylate | á 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, 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).
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.

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· **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.

· **Control parameters**

| · **Components with limit values that require monitoring at the workplace:** | |
|---|---|
| **123-86-4 n-butyl acetate** | |
| PEL | Long-term value: 710 mg/m³, 150 ppm |
| REL | Short-term value: 950 mg/m³, 200 ppm<br>Long-term value: 710 mg/m³, 150 ppm |
| TLV | Short-term value: (950) NIC-712 mg/m³, (200) NIC-150 ppm<br>Long-term value: (713) NIC-238 mg/m³, (150) NIC-50 ppm |
| **1330-20-7 xylene** | |
| PEL | Long-term value: 435 mg/m³, 100 ppm |
| REL | Short-term value: 655 mg/m³, 150 ppm<br>Long-term value: 435 mg/m³, 100 ppm |
| TLV | Short-term value: 651 mg/m³, 150 ppm<br>Long-term value: 434 mg/m³, 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:** 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:** | Liquid |
| **Color:** | Blue |
| · **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):** | 0.992 g/cm³ (8.278 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:** | 42.5 % |
| **Coating VOC content:** | 42.5 %<br>421.9 g/l / 3.52 lb/gl |

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| | |
|---|---|
| **Material VOC content:** | 421.9 g/l / 3.52 lb/gl |
| **Solids content:** | 56.7 % |
| · **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.
· **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 |
| 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.

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· **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
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** | |

| | |
|---|---|
| · **Class** | 3 Flammable liquids |
| · **Label** | 3 |
| · **ADR, IMDG, IATA** | |

| | |
|---|---|
| · **Class** | 3 Flammable liquids |
| · **Label** | 3 |

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| | |
|---|---|
| · **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 |
| 80-62-6 | methyl methacrylate |

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

| | |
|---|---|
| 123-86-4 | n-butyl acetate |
| 1330-20-7 | xylene |
| 108-65-6 | 2-methoxy-1-methylethyl acetate |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. |
| 80-62-6 | methyl methacrylate |
| 26761-45-5 | 2,3-epoxypropyl neodecanoate |
| 868-77-9 | 2-hydroxyethyl methacrylate |
| 79-41-4 | methacrylic acid |
| 77-58-7 | dibutyltin dilaurate |
| 556-67-2 | octamethylcyclotetrasiloxane |

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· **Proposition 65**

· **Chemicals known to cause cancer:**
None of the ingredients is listed.

· **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 |
| 80-62-6 | methyl methacrylate | E, NL |

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

| | | |
|---|---|---|
| 1330-20-7 | xylene | A4 |
| 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

· **Signal word** Warning

· **Hazard-determining components of labeling:**
n-butyl acetate
Solvent naphtha (petroleum), light arom.
2,3-epoxypropyl neodecanoate
2-hydroxyethyl methacrylate
methyl methacrylate

· **Hazard statements**
Flammable liquid and vapor.
Causes skin irritation.
May cause an allergic skin reaction.
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.

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*Use only outdoors or in a well-ventilated area.*
*Contaminated work clothing must not be allowed out of the workplace.*
*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.*
*Wash contaminated clothing before reuse.*
*If skin irritation or rash occurs: Get medical advice/attention.*
*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)*
*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*
*Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*
*Skin Sens. 1: Sensitisation - Skin, Hazard Category 1*
*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*