







### 1 Identification

- **Product identifier**
- **Trade name: 4010 2K ULTRA PRO CLEAR**
- **Article number: 4010**
- **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**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 Harmful  
Harmful by inhalation.
  -  Highly flammable  
Highly flammable.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - **Information concerning particular hazards for human and environment:**  
The product has to be labeled due to the calculation procedure of international guidelines.
  - **Classification system:**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- 
- **Label elements**
  - **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with directives on hazardous materials.
  - **Code letter and hazard designation of product:**  
  Harmful  
Highly flammable
  - **Risk phrases:**  
Highly flammable.  
Harmful by inhalation.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - **Safety phrases:**  
Keep locked up and out of the reach of children.  
Keep container in a well-ventilated place.  
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
If swallowed, seek medical advice immediately and show this container or label.

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• **Special labeling of certain preparations:**

Contains neodecansäureglycidylester, 2-hydroxyethyl methacrylate, methyl methacrylate, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, methyl 1,2,2,6,6,6-pentamethyl-4-piperidyl sebacate, s-3-(3-(2h-benzotriazol-2-yl)-5-t-butyl-4-hydroxyphenyl)propionol-ohydroxypoly(oxyethylene); a-3-(3-(2h-benzotriazol-2-yl)-5-butyl-4-hydroxyphenyl)propionyl-o-3-(3-(2h-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene). May produce an allergic reaction.

• **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   | n-butyl acetate   | 10-25%  |
| 110-43-0   | heptan-2-one  | 10-25%  |
| 1330-20-7  | xylene  | 2.5-10% |
| 64742-95-6 | Solvent naphtha (petroleum), light arom.  | 2.5-10% |
| 67-64-1    | acetone   | 2.5-10% |
| 41556-26-7 | bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate   | ½ 2.5%  |
| 80-62-6    | methyl methacrylate   | ½ 2.5%  |
| 26761-45-5 | neodecansäureglycidylester  | ½ 2.5%  |
| 4008-30-7  | s-3-(3-(2h-benzotriazol-2-yl)-5-t-butyl-4-hydroxyphenyl)propionol-ohydroxypoly(oxyethylene); a-3-(3-(2h-benzotriazol-2-yl)-5-butyl-4-hydroxyphenyl)propionyl-o-3-(3-(2h-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) | ½ 2.5%  |
| 868-77-9   | 2-hydroxyethyl methacrylate   | ½ 2.5%  |
| 82919-37-7 | methyl 1,2,2,6,6,6-pentamethyl-4-piperidyl sebacate   | ½ 2.5%  |

### 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.

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- **After inhalation:**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **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:** CO<sub>2</sub>, 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:** 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 product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
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.  
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 against electrostatic charges.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **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 mg/m <sup>3</sup> , 200 ppm<br>Long-term value: 713 mg/m <sup>3</sup> , 150 ppm |

**110-43-0 heptan-2-one**

|        |  |
|--------|--|
| PEL () | Long-term value: 465 mg/m <sup>3</sup> , 100 ppm |
| REL () | Long-term value: 465 mg/m <sup>3</sup> , 100 ppm |
| TLV () | Long-term value: 233 mg/m <sup>3</sup> , 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 |

**67-64-1 acetone**

|        |   |
|--------|---|
| PEL () | Long-term value: 2400 mg/m <sup>3</sup> , 1000 ppm  |
| REL () | Long-term value: 590 mg/m <sup>3</sup> , 250 ppm  |
| TLV () | Short-term value: (1782) NIC-1187 mg/m <sup>3</sup> , (750) NIC-500 ppm<br>Long-term value: (1188) NIC-475 mg/m <sup>3</sup> , (500) NIC-200 ppm<br>BEI |

· **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 |
|--------|--|

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**67-64-1 acetone**

BEI ( ) 50 mg/L  
Medium: urine  
Time: end of shift  
Parameter: Acetone (nonspecific)

- **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.  
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:**  
*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: | Clear  |
- **Odor:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**

|                              |                |
|------------------------------|----------------|
| Melting point/Melting range: | Undetermined.  |
| Boiling point/Boiling range: | 55 °C (131 °F) |
- **Flash point:** -5 °C (23 °F)

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|   |  |
|---|--|
| · <b>Flammability (solid, gaseous):</b>           | Not applicable.  |
| · <b>Ignition temperature:</b>                    | 370 °C (698 °F)  |
| · <b>Decomposition temperature:</b>               | Not determined.  |
| · <b>Auto igniting:</b>                           | Product is not selfigniting.   |
| · <b>Danger of explosion:</b>                     | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · <b>Explosion limits:</b>                        |  |
| Lower:  | 1.0 Vol %  |
| Upper:  | 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>                | 0.962 g/cm <sup>3</sup> (8.028 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>                               |  |
| Dynamic:  | Not determined.  |
| Kinematic:  | Not determined.  |
| · <b>Solvent content:</b>                         |  |
| Organic solvents:                                 | 55.7 %   |
| VOC content:                                      | 46.8 %   |
|   | 505.2 g/l / 4.22 lb/gl   |
| Solids content:                                   | 42.9 %   |
| · <b>Other information</b>                        | No further relevant information available.   |

## 10 Stability and reactivity

- **Reactivity**
- **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 | 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:**

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

· **Carcinogenic categories**

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

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

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **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.  
Harmful to aquatic organisms

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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· **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, ADR, IMDG, IATA</b>   | UN1263                     |
| · <b>UN proper shipping name</b>  |                            |
| · <b>DOT</b>  | Paint                      |
| · <b>ADR</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                          |
| <hr style="border-top: 1px dashed black;"/>   |                            |
| · <b>ADR, IMDG, IATA</b>  |                            |
|  |                            |
| · <b>Class</b>  | 3 Flammable liquids        |
| · <b>Label</b>  | 3                          |
| · <b>Packing group</b>  |                            |
| · <b>DOT, ADR, IMDG, IATA</b>   | II                         |
| · <b>Environmental hazards:</b>   |                            |
| · <b>Marine pollutant:</b>  | No                         |
| · <b>Special precautions for user</b>   | Warning: Flammable liquids |
| · <b>Danger code (Kemler):</b>  | 33                         |
| · <b>EMS Number:</b>  | F-E, S-E                   |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>    | Not applicable.            |

USA

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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              |
| 80-62-6   | methyl methacrylate |
| 100-41-4  | ethylbenzene        |

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

|            |   |
|------------|---|
| 123-86-4   | n-butyl acetate                                 |
| 110-43-0   | heptan-2-one                                    |
| 1330-20-7  | xylene  |
| 64742-95-6 | Solvent naphtha (petroleum), light arom.        |
| 67-64-1    | acetone   |
| 41556-26-7 | bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate |
| 80-62-6    | methyl methacrylate                             |
| 26761-45-5 | neodecansäureglycidylester                      |
| 868-77-9   | 2-hydroxyethyl methacrylate                     |
| 79-41-4    | methacrylic acid                                |
| 82919-37-7 | methyl 1,2,2,6,6pntamethyl-4-piperidyl sebacate |
| 78-83-1    | butanol   |
| 77-58-7    | dibutyltin dilaurate                            |
| 556-67-2   | octamethylcyclotetrasiloxane                    |
| 100-41-4   | ethylbenzene                                    |

• **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     |
| 67-64-1   | acetone             | I     |
| 80-62-6   | methyl methacrylate | E, NL |
| 100-41-4  | ethylbenzene        | D     |

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

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

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|          |                      |    |
|----------|----------------------|----|
| 67-64-1  | acetone              | A4 |
| 80-62-6  | methyl methacrylate  | A4 |
| 77-58-7  | dibutyltin dilaurate | A4 |
| 100-41-4 | ethylbenzene         | A3 |

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**



Harmful  
Highly flammable

· **Risk phrases:**

Highly flammable.  
Harmful by inhalation.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

Keep locked up and out of the reach of children.  
Keep container in a well-ventilated place.  
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
If swallowed, seek medical advice immediately and show this container or label.

· **Special labeling of certain preparations:**

Contains neodecansäureglycidylester, 2-hydroxyethyl methacrylate, methyl methacrylate, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, methyl 1,2,2,6,6,6-pentamethyl-4-piperidyl sebacate, s-3-(3-(2h-benzotriazol-2-yl)-5-t-butyl-4-hydroxyphenyl)propionol-ohydroxypoly(oxyethylene); a-3-(3-(2h-benzotriazol-2-yl)-5-butyl-4-hydroxyphenyl)propionyl-o-3-(3-(2h-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene). May produce an allergic reaction.

· **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 MSDS:** Product safety department
- **Contact:** Ms. Topaljikian