SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product form: Mixture
Product name: RAPID SYSTEM 4:1 PRIMER (RAPIDP-US)
Product group: 2K Primer
Other means of identification: UP6301, UP6303, UP6315

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
Supplier
U-POL US Inc
108 Commerce Way
Stockertown PA 18083 - USA
T 1-800-340-7824 - F 1-800-787-5150
technical.department@u-pol.com - www.u-pol.com

1.4. Emergency telephone number
Emergency number: CHEMTREC - 1-800-424-9300 (UK +44 (0) 1933 230310 (07:30 - 17:00hrs UK time)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Flamm. Liq. 3 H226
Skin Sens. 1 H317
Carc. 2 H351
Repr. 1A H360
Aquatic Chronic 2 H411
Full text of H statements: see section 16

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US):

Signal word (GHS-US): Danger
Hazard statements (GHS-US): H226 - Flammable liquid and vapor
H317 - May cause an allergic skin reaction
H351 - Suspected of causing cancer
H360 - May damage the unborn child
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US):
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, hot surfaces, open flames, sparks.
P261 - Avoid breathing spray, vapors, fume
P280 - Wear protective gloves, protective clothing, face protection
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards
No additional information available
2.4. **Unknown acute toxicity (GHS US)**
Not applicable

**SECTION 3: Composition/Information on ingredients**

3.1. **Substances**
Not applicable

3.2. **Mixtures**

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
</table>
| Solvent naphtha (petroleum), light arom. | ([CAS No]) 108-10-1 | < 5 | Flam. Liq. 3, H226  
STOT SE 3, H336  
STOT SE 3, H335  
Asp. Tox. 1, H304  
Aquatic Chronic 2, H411 |
| 4-methylpent-2-one, isobutyl methyl ketone | ([CAS No]) 108-10-1 | < 5 | Flam. Liq. 2, H225  
Acute Tox. 4 (Inhalation), H332  
Eye Irrit. 2A, H319  
STOT SE 3, H335 |
| xylene | ([CAS No]) 1330-20-7 | < 5 | Flam. Liq. 3, H226  
Acute Tox. 4 (Dermal), H312  
Acute Tox. 4 (Inhalation:dust,mist), H332  
Skin Irrit. 2, H315 |
| ethylbenzene | ([CAS No]) 100-41-4 | < 5 | Flam. Liq. 2, H225  
Acute Tox. 4 (Inhalation), H332  
Carc. 2, H351  
STOT RE 2, H373  
Asp. Tox. 1, H304 |
| DIBUTYL TIN DILAURATE | ([CAS No]) 77-58-7 | < 100 | Skin Corr. 1B, H314  
Eye Dam. 1, H318  
Skin Sens. 1, H317  
Muta. 2, H341  
Repr. 1A, H360  
STOT SE 1, H370  
STOT RE 1, H372  
Aquatic Acute 1, H400  
Aquatic Chronic 1, H410 |

Full text of H-phrases: see section 16

**SECTION 4: First aid measures**

4.1. **Description of first aid measures**

First-aid measures general : IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. **Most important symptoms and effects, both acute and delayed**

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

4.3. **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures**

5.1. **Extinguishing media**


5.2. **Special hazards arising from the substance or mixture**

Fire hazard : Flammable liquid and vapor.
Reactivity : Flammable liquid and vapor.

5.3. **Advice for firefighters**

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing vapors, fume.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions
Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
For containment: Collect spillage.
Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the workstation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing vapors, fume.

Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: Ground/bond container and receiving equipment.
Storage conditions: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>RAPID SYSTEM 4:1 PRIMER (RAPIDP-US)</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light arom.</td>
<td>ACGIH</td>
<td>OSHA</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ethylbenzene (100-41-4)</th>
<th>ACGIH</th>
<th>ACGIH TWA (ppm)</th>
<th>20 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH): URT irr; kidney dam (nephropathy)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>435 mg/m³</td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>100 ppm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>xylene (1330-20-7)</th>
<th>ACGIH</th>
<th>ACGIH TWA (ppm)</th>
<th>100 ppm</th>
</tr>
</thead>
</table>
### RAPIDP-US 4:1 PRIMER

#### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH STEL (ppm)</th>
<th>ACGIH TWA (ppm)</th>
<th>Remark (ACGIH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene (1330-20-7)</td>
<td>150 ppm</td>
<td>150 ppm</td>
<td>URT &amp; eye irr; CNS impair</td>
</tr>
<tr>
<td>4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)</td>
<td>20 ppm</td>
<td>75 ppm</td>
<td>URT irr; dizziness; headache</td>
</tr>
<tr>
<td>DIBUTYL Tin DILAURATE (77-58-7)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

---

#### 8.2. Exposure controls

<table>
<thead>
<tr>
<th>Control</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appropriate engineering controls</td>
<td>Ensure good ventilation of the work station.</td>
</tr>
<tr>
<td>Hand protection</td>
<td>Protective gloves.</td>
</tr>
<tr>
<td>Eye protection</td>
<td>Safety glasses.</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>Wear suitable protective clothing.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>In case of insufficient ventilation, wear suitable respirator equipment. Wear respiratory protection.</td>
</tr>
<tr>
<td>Environmental exposure controls</td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>

---

#### 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Viscous.</td>
</tr>
<tr>
<td>Color</td>
<td>Gray</td>
</tr>
<tr>
<td>Odor</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>14 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.703</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>
RAPID SYSTEM 4:1 PRIMER (RAPIDP-US)
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

9.2. Other information
VOC content - Actual : 453 g/l
VOC content - Regulatory : 453 g/l

SECTION 10: Stability and reactivity
10.1. Reactivity
Flammable liquid and vapor.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity : Not classified

**ethylbenzene (100-41-4)**
ATE US (gases) : 4500 ppmV/4h
ATE US (vapors) : 11 mg/l/4h
ATE US (dust, mist) : 1.5 mg/l/4h

**xylene (1330-20-7)**
ATE US (dermal) : 1100 mg/kg body weight
ATE US (dust, mist) : 1.5 mg/l/4h

**4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)**
ATE US (gases) : 4500 ppmV/4h
ATE US (vapors) : 11 mg/l/4h
ATE US (dust, mist) : 1.5 mg/l/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.

**ethylbenzene (100-41-4)**
IARC group : 2B - Possibly carcinogenic to humans

**xylene (1330-20-7)**
IARC group : 3 - Not classifiable

**4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)**
IARC group : 2B - Possibly carcinogenic to humans

Reproductive toxicity : May damage the unborn child.
Specific target organ toxicity – single exposure : Not classified
Specific target organ toxicity – repeated exposure : Not classified
RAPID SYSTEM 4:1 PRIMER (RAPIDP-US)
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Aspiration hazard : Not classified
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general : Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability
Solvent naphtha (petroleum), light arom.,
Persistence and degradability : May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential
Solvent naphtha (petroleum), light arom.,
Bioaccumulative potential : Not established.

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Effect on ozone layer : No additional information available
Effect on the global warming : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

In accordance with DOT
Transport document description : UN1263 Paint related material, 3, III
UN-No. (DOT) : UN1263
Proper Shipping Name (DOT) : Paint related material
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT) : 3 - Flammable liquid

Packing group (DOT) : III - Minor Danger
RAPID SYSTEM 4:1 PRIMER (RAPIDP-US)
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DOT Special Provisions (49 CFR 172.102)
- B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.
- B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.
- IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
- T2 - 1.5 178.274(d)(2) Normal.................. 178.275(d)(3)
- TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / (1 + a (tr - tf)) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
- TP2 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx)
- : 150
DOT Packaging Non Bulk (49 CFR 173.xxx)
- : 173
DOT Packaging Bulk (49 CFR 173.xxx)
- : 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)
- : 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)
- : 220 L
DOT Vessel Storage Location
- : A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.

Additional information
- Emergency Response Guide (ERG) Number : 128
- Other information : No supplementary information available.

ADR
- Transport document description : UN 1263 PAINT or PAINT RELATED MATERIAL, 3, III, (D/E)
- Packing group (ADR) : III
- Class (ADR) : 3 - Flammable liquid
- Hazard identification number (Kemler No.) : 30
- Classification code (ADR) : F1
- Hazard labels (ADR) : 3 - Flammable liquids

Orange plates
- : 30
- : 1263

Tunnel restriction code (ADR) : D/E
- LQ : SI
- Excepted quantities (ADR) : E1

Transport by sea
- UN-No. (IMDG) : 1263
- Proper Shipping Name (IMDG) : PAINT RELATED MATERIAL
- Class (IMDG) : 3 - Flammable liquids
- Packing group (IMDG) : III - substances presenting low danger

Air transport
- UN-No. (IATA) : 1263
**RAPID SYSTEM 4:1 PRIMER (RAPIDP-US)**

Safety Data Sheet

Proper Shipping Name (IATA): Paint related material
Class (IATA): 3 - Flammable liquids
Packing group (IATA): III - Minor Danger

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

**Solvent naphtha (petroleum), light arom.,**
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

**ethylbenzene (100-41-4)**
- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Subject to reporting requirements of United States SARA Section 313
- CERCLA RQ: 1000 lb

**xylene (1330-20-7)**
- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Subject to reporting requirements of United States SARA Section 313
- CERCLA RQ: 100 lb

**isobutyl methyl ketone (108-10-1)**
- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Subject to reporting requirements of United States SARA Section 313
- CERCLA RQ: 5000 lb

**DIBUTYLTIN DILAURATE (77-58-7)**
- Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

**CANADA**
No additional information available

**EU-Regulations**
No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**
- Flam. Liq. 3  H226
- Aquatic Chronic 2  H411
- Full text of hazard classes and H-statements: see section 16

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

#### 15.2.2. National regulations

**ethylbenzene (100-41-4)**
- Listed on IARC (International Agency for Research on Cancer)

**isobutyl methyl ketone (108-10-1)**
- Listed on IARC (International Agency for Research on Cancer)

#### 15.3. US State regulations

**ethylbenzene (100-41-4)**
- U.S. - California - Proposition 65 - Carcinogens List: No
- U.S. - California - Proposition 65 - Reproductive Toxicity - Female: No
- U.S. - California - Proposition 65 - Reproductive Toxicity - Male: No
- No significant risk level (NSRL): 54

**isobutyl methyl ketone (108-10-1)**
- U.S. - California - Proposition 65 - Carcinogens List: No
- U.S. - California - Proposition 65 - Reproductive Toxicity - Female: No
- U.S. - California - Proposition 65 - Reproductive Toxicity - Male: No
- No significant risk level (NSRL):
### SECTION 16: Other information

Full text of H-phrases:

<table>
<thead>
<tr>
<th>H-label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapor</td>
</tr>
<tr>
<td>H226</td>
<td>Flammable liquid and vapor</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H322</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H361</td>
<td>May cause drowsiness or dizziness</td>
</tr>
<tr>
<td>H341</td>
<td>Suspected of causing genetic defects</td>
</tr>
<tr>
<td>H350</td>
<td>Suspected of causing cancer</td>
</tr>
<tr>
<td>H360</td>
<td>May damage fertility of the unborn child</td>
</tr>
<tr>
<td>H370</td>
<td>Causes damage to organs</td>
</tr>
<tr>
<td>H372</td>
<td>Causes damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

**SDS US UPOL**

For professional use only.

The information contained within this Safety Data Sheet (SDS) is believed to be correct as of the date issued however it is subject to change from time to time. It does not purport to be all inclusive or exhaustive and shall only be used as a guide. U-POL makes no warranties, expressed or implied, including but not limited to, any implied warranty of fitness for a given purpose or usage. It is the Buyers responsibility to ensure the suitability of the products for their own use and to check the information is up to date. U-POL cannot be held responsible for the suitability of use for any of its products, considering the wide range of factors such as application, substrates and handling methods. Since these conditions of use are outside of our control, the company shall not be held liable for any damage resulting from handling or from contact with the product detailed. Moreover, addition of reducers, hardeners or other additives over and above U-POL's recommendations for use, may substantially alter the composition and hazards of the product. U-POL data sheets are available via the U-POL website at WWW.U-POL.COM.