1 Identification of the substance and manufacturer

<table>
<thead>
<tr>
<th>Trade name:</th>
<th>Beige</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code:</td>
<td>4652</td>
</tr>
<tr>
<td>Manufacturer/Supplier:</td>
<td>Rainbow Technology Corporation</td>
</tr>
<tr>
<td></td>
<td>261 Cahaba Valley Parkway</td>
</tr>
<tr>
<td></td>
<td>Pelham, AL 35124</td>
</tr>
<tr>
<td></td>
<td>Phone: 800-637-6047 Contact: Larry Joe Steeley, Jr.</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.rainbowtech.net">www.rainbowtech.net</a></td>
</tr>
<tr>
<td>Emergency telephone number:</td>
<td>CHEMTEL 1-800-255-3924 or 813-248-0585 <em>if located outside the U.S.</em></td>
</tr>
</tbody>
</table>

2 Hazard(s) identification

**Classification of the substance or mixture**

- Flam. Aerosol 1 H222 Extremely flammable aerosol.
- Press. Gas H280 Contains gas under pressure; may explode if heated.
- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2A H319 Causes serious eye irritation.
- Repr. 2 H315 Causes skin irritation.
- STOT SE 3 H336 May cause drowsiness or dizziness.
- STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

**GHS Hazard pictograms**

- GHS02
- GHS04
- GHS07
- GHS08

**Signal word**

Danger

**Hazard statements**

- Contains gas under pressure; may explode if heated.
- Causes skin irritation.
- Causes serious eye irritation.
- Suspected of damaging fertility or the unborn child.
- May cause drowsiness or dizziness.
- May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements**

- Obtain special instructions before use.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Do not spray on an open flame or other ignition source.
- Do not pierce or burn, even after use.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Do not handle until all safety precautions have been read and understood.
- Wear protective gloves.
- Do not breathe dust/fume/gas/mist/vapors/spray.
  - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
  - IF ON SKIN: Wash with plenty of water.
  - If eye irritation persists: Get medical advice/attention.
  - Call a POISON CENTER/doctor if you feel unwell.
  - Take off contaminated clothing and wash it before reuse.
  - Store locked up.
  - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
  - Protect from sunlight. Store in a well-ventilated place.
  - Store in a well-ventilated place. Keep container tightly closed.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

**Chemical characterization: Mixtures**

**Chemical Description:** This product is a mixture of the substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone 67-64-1</td>
<td>35.79%</td>
</tr>
<tr>
<td>propane 74-98-6</td>
<td>15.77%</td>
</tr>
<tr>
<td>Toluene 108-88-3</td>
<td>11.24%</td>
</tr>
<tr>
<td>n-butane 106-97-8</td>
<td>9.26%</td>
</tr>
<tr>
<td>titanium dioxide 13463-67-7</td>
<td>5.5%</td>
</tr>
<tr>
<td>methyl isobutyl ketone 108-10-1</td>
<td>2.39%</td>
</tr>
<tr>
<td>Methyl Propyl Ketone 107-87-9</td>
<td>1.96%</td>
</tr>
<tr>
<td>isobutyl acetate 110-19-0</td>
<td>1.82%</td>
</tr>
<tr>
<td>Glycol Ether EP 2807-30-9</td>
<td>1.47%</td>
</tr>
</tbody>
</table>

4 First-aid measures

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Remove contaminated clothing. Wash exposed area with soap and water.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Rinse mouth with water. Do not induce vomiting.

(Contd. on page 2)
Trade name: Beige

Most important symptoms and effects:
Indication of any immediate medical attention needed:

5 Fire-fighting measures

Extinguishing agents:
CO2, extinguishing powder or water spray. Fight larger fires with water spray.

Special hazards:
Can form explosive gas-air mixtures.

Protective equipment for firefighters:
A respiratory protective device may be necessary.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Use respirator protective device against the effects of fumes/dust/aerosol.

Methods and material for containment and cleaning up:
Dispose contaminated material as waste according to section 13.

7 Handling and storage

Precautions for safe handling
Use only in well ventilated areas.

Storage requirements:
Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

8 Exposure controls/personal protection

Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Compound</th>
<th>PEL (USA)</th>
<th>REL (USA)</th>
<th>TLV (USA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>Long-term value: 2400 mg/m³, 1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term value: 590 mg/m³, 250 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Short-term value: 1187 mg/m³, 500 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term value: 594 mg/m³, 250 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>74-98-6 propane</td>
<td>Long-term value: 1800 mg/m³, 1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term value: 1800 mg/m³, 1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>refer to Appendix F in TLVs and BEIs book</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>Long-term value: 200 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ceiling limit value: 300; 500* ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*10-min peak per 8-hr shift</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Short-term value: 560 mg/m³, 150 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term value: 375 mg/m³, 100 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term value: 75 mg/m³, 20 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-88-3 n-butane</td>
<td>Long-term value: 1900 mg/m³, 800 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Short-term value: 2370 mg/m³, 1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-10-1 methyl isobutyl ketone</td>
<td>Long-term value: 410 mg/m³, 100 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Short-term value: 300 mg/m³, 75 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term value: 205 mg/m³, 50 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Short-term value: 307 mg/m³, 75 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term value: 82 mg/m³, 20 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BEI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>107-87-9 Methyl Propyl Ketone</td>
<td>Long-term value: 700 mg/m³, 200 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term value: 530 mg/m³, 150 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Short-term value: 529 mg/m³, 150 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>110-19-0 isobutyl acetate</td>
<td>Long-term value: 700 mg/m³, 150 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term value: 700 mg/m³, 150 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Short-term value: NIC-712 mg/m³, NIC-150 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term value: (713) NIC-238 mg/m³, (150) NIC-50 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>Compound</th>
<th>BET (USA)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50 mg/L</td>
</tr>
<tr>
<td>Medium: urine</td>
<td></td>
</tr>
<tr>
<td>Time: end of shift</td>
<td></td>
</tr>
<tr>
<td>Parameter: Acetone (nonspecific)</td>
<td></td>
</tr>
</tbody>
</table>
108-88-3 Toluene

BET (USA) 0.02 mg/L
Medium: blood
Time: prior to last shift of workweek
Parameter: Toluene

0.03 mg/L
Medium: urine
Time: end of shift
Parameter: Toluene

0.3 mg/g creatinine
Medium: urine
Time: end of shift
Parameter: o-Cresol with hydrolysis (background)

108-10-1 methyl isobutyl ketone

BET (USA) 1 mg/L
Medium: urine
Time: end of shift
Parameter: MIBK

Hygienic protection: Immediately remove all soiled and contaminated clothing. Wash hands after use. Avoid contact with the eyes and skin. Do not eat or drink while working.

Breathing equipment: In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

Hand protection: Nitrile gloves.

Eye protection: Protective gloves. The glove material must be impermeable and resistant to the substance.

9 Physical and chemical properties

Appearance: Aerosol.
Odor threshold: Not determined.

pH-value: Not determined.
Melting point/Melting range: Undetermined.
Boiling point: -44 °C (-47 °F)
Flash point: -19 °C (-2 °F)
Flammability (solid, gas): Extremely flammable.
Decomposition temperature: Not determined.
Auto ignition: Product is not self-igniting.

Danger of explosion: In use, may form flammable/explosive vapour-air mixture.
Lower Explosion Limit: 1.7 Vol %
Upper Explosion Limit: 10.9 Vol %

Vapor pressure: Not determined.
Relative Density: Between 0.77 and 0.85 (Water equals 1.00)
Vapour density: Not determined.
Evaporation rate: Not applicable.
Partition coefficient: n-octanol/water: Not determined.
Solubility: Not determined.
Viscosity: Not determined.
VOC content: 537.6 g/l / 4.49 lb/gl
VOC content (less exempt solvents): 44.8 %
MIR Value: 1.06
Solids content: 19.3 %

10 Stability and reactivity

Reactivity: Stable at normal temperatures.
Conditions to avoid: Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.

Chemical stability: Not fully evaluated.
Possibility of hazardous reactions: No dangerous reactions known.
Incompatible materials: No further relevant information available.
Hazardous decomposition: No dangerous decomposition products known.

11 Toxicological information

LD/LC50 values that are relevant for classification:

106-97-8 n-butane
Inhalative LC50/4 h 658 mg/l (rat)

13463-67-7 titanium dioxide
Oral LD50 >20000 mg/kg (rat)
### 41.2.14 Dermal LD50 >10000 mg/kg (rbt)

**Inhalative LC50/4 h >6.82 mg/l (rat)**

**108-10-1 methyl isobutyl ketone**

<table>
<thead>
<tr>
<th>Oral</th>
<th>LD50</th>
<th>2100 mg/kg (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal: LD50</td>
<td>16000 mg/kg (rab)</td>
<td></td>
</tr>
<tr>
<td>Inhalative: LC50/4 h</td>
<td>8.3-16.6 mg/l (rat)</td>
<td></td>
</tr>
</tbody>
</table>

**110-19-0 isobutyl acetate**

| Oral | LD50 | 4763 mg/kg (rbt) |

**Information on toxicological effects:**

- **No data available.**

**Skin effects:**

- **No irritant effect.**

**Eye effects:**

- **Irritating effect.**

**Sensitization:**

- **No sensitizing effects known.**

### 12 Ecological information

**Aquatic toxicity:**

- Hazardous for water, do not empty into drains.

**Persistence and degradability:**

- The product is degradable after prolonged exposure to natural weathering processes.

**Bioaccumulative potential:**

- No further relevant information available.

**Mobility in soil:**

- No further relevant information available.

**Other adverse effects:**

- No further relevant information available.

### 13 Disposal considerations

- Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

**Recommendation:**

- Completely empty cans should be recycled.

### 14 Transport information

**UN-Number**

- UN1950

**DOT**

- Consumer Commodity ORM-D
- Aerosols, flammable
- 1950 Aerosols

**ADR**

- Transport hazard class(es):
  - Class: 2.1
  - Marine pollutant: No

**Special precautions for user:**

- Warning: Gases
- On passenger aircraft/rail: 75 kg
- On cargo aircraft only: 150 kg

**EMS Number:**

- F-D,S-U

**Quantity limitations**

- Code: E0
- Not permitted as Excepted Quantity

### 15 Regulatory information

**SARA Section 355 (extremely hazardous substances):**

- None of the ingredients in this product are listed.

**SARA Section 313 (Specific toxic chemical listings):**

- 108-88-3 Toluene
- 108-10-1 methyl isobutyl ketone

**CPSC:**

- This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

**California Proposition 65 chemicals known to cause cancer:**

- 13463-67-7 titanium dioxide
- 108-10-1 methyl isobutyl ketone
- 100-41-4 ethyl benzene

**California Proposition 65 chemicals known to cause developmental toxicity:**

- 108-88-3 Toluene
Trade name: Beige

CANADIAN ENVIRONMENTAL PROTECTION ACT:
WHMIS Symbols for Canada:

All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

A - Compressed gas
D2A - Very toxic material causing other toxic effects

EPA:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>Acetone</td>
<td>I</td>
</tr>
<tr>
<td>108-88-3</td>
<td>Toluene</td>
<td>II</td>
</tr>
<tr>
<td>108-10-1</td>
<td>Methyl isobutyl ketone</td>
<td>I</td>
</tr>
<tr>
<td>110-19-0</td>
<td>Isobutyl acetate</td>
<td>D</td>
</tr>
</tbody>
</table>

16 Other information

Contact: Larry Joe Steeley, Jr. 800-637-6047
Date of preparation / last revision 03/17/2016 / -