1 Identification of the substance and manufacturer

Trade name: Alert Orange
Product code: 4630
Manufacturer/Supplier: Rainbow Technology Corporation
261 Cahaba Valley Parkway
Pelham, AL 35124
Phone: 800-637-6047 Contact: Larry Joe Steeley, Jr.
www.rainbowtech.net
Emergency telephone number: CHEMTEL 1-800-255-3924 or 813-248-0585 *if located outside the U.S.*

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.
STOT SE 3 H335 May cause respiratory irritation.
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
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.
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.
Use only outdoors or in a well-ventilated area.
Do not breathe dust/fume/gas/mist/vapors/spray.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor if you feel unwell.
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.

Dangerous components:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>propane</td>
<td>17.64%</td>
</tr>
<tr>
<td>VM&amp;P Naphtha</td>
<td>17.07%</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>15.34%</td>
</tr>
<tr>
<td>n-butane</td>
<td>10.36%</td>
</tr>
<tr>
<td>Mineral Spirits</td>
<td>4.52%</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. Then consult a doctor.
After swallowing: Rinse mouth with water. Do not induce vomiting.
Most important symptoms and effects: Dizziness
Indication of any immediate medical attention needed: No further relevant information available.

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 respiratory protective device against the effects of fumes/dust/aerosol.
Methods and material for containment and cleaning up: Absorb liquid components with liquid-binding material.

7 Handling and storage

Precautions for safe handling: Use only in well ventilated areas.

(Contd. on page 2)
8 Exposure controls/personal protection

Components with limit values that require monitoring at the workplace:

- **74-98-6 propane**
  - PEL (USA) Long-term value: 1800 mg/m³, 1000 ppm
  - REL (USA) Long-term value: 1800 mg/m³, 1000 ppm
  - TLV (USA) refer to Appendix F in TLVs and BEIs book

- **106-97-8 n-butane**
  - REL (USA) Long-term value: 1900 mg/m³, 800 ppm
  - TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm

Hygienic protection: Wash hands after use.

Breathing equipment: A respirator is generally not necessary when using this product outdoors or in large open areas. 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: Tightly sealed goggles.

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 igniting:** Product is not self-igniting.
- **Danger of explosion:** In use, may form flammable/explosive vapour-air mixture.
- **Lower Explosion Limit:** 1.5 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-octonal/water:** Not determined.
- **Solubility:** Not determined.
- **Viscosity:** Not determined.
- **VOC content:** 528.8 g/l / 4.41 lb/gl
- **VOC content (less exempt solvents):** 51.1 %
- **Water:** 24.0 %
- **MIR Value:** 0.58
- **Solids content:** 23.9 %

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] 858 mg/l (rat)

**Information on toxicological effects:**

- **Skin effects:** No irritant effect.
- **Eye effects:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

**Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**
  - None of the ingredients is listed.
**Trade name:** Alert Orange

### NTP (National Toxicology Program)
None of the ingredients is listed.

### 12 Ecological information

<table>
<thead>
<tr>
<th>Aquatic toxicity:</th>
<th>Hazardous for water, do not empty into drains.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability:</td>
<td>The product is degradable after prolonged exposure to natural weathering processes.</td>
</tr>
<tr>
<td>Bioaccumulative potential:</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Mobility in soil:</td>
<td>No further relevant information available.</td>
</tr>
<tr>
<td>Other adverse effects:</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

### 13 Disposal considerations
Disposing 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

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>N/A</td>
</tr>
<tr>
<td>DOT</td>
<td>Consumer Commodity ORM-D</td>
</tr>
<tr>
<td>ADR</td>
<td>1950 Aerosols</td>
</tr>
<tr>
<td>Transport hazard class(es):</td>
<td>Class 2.1</td>
</tr>
<tr>
<td>Marine pollutant:</td>
<td>No</td>
</tr>
<tr>
<td>Special precautions for user:</td>
<td>Warning: Gases</td>
</tr>
<tr>
<td>EMS Number:</td>
<td>F-D-S-U</td>
</tr>
<tr>
<td>Quantity limitations: On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg</td>
<td></td>
</tr>
</tbody>
</table>

**ADR**
- Excepted quantities (EQ): Code: E0 Not permitted as Excepted Quantity

**IMDG**
- Limited quantities (LQ): 1L
- Excepted quantities (EQ): Code: E0 Not permitted as Excepted Quantity
- Packaging Group: -
- UN "Model Regulation": UN1950, Aerosols, 2.1

### 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):**
None of the ingredients is listed.

**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
100-41-4 ethyl benzene

**CANADIAN ENVIRONMENTAL PROTECTION ACT:**
All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

**WHMIS Symbols for Canada:**
- A - Compressed gas

**EPA:**
None of the ingredients is listed.

### 16 Other information

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