1 Identification of the substance and manufacturer

Product name: CLEANER AND DEGREASER
Product code: 4305
Recommended use: Cleaning tools and equipment.
Uses advised against: Any that differs from the recommended use.
Manufacturer/Supplier: Rainbow Technology Corporation
261 Cahaba Valley Parkway
Pelham, AL 35124 USA
Phone: 1-800-637-6047
www.rainbowtech.net
Chem-Tel Inc. (800) 255-3924

Emergency telephone number:

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.
Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H336 May cause drowsiness or dizziness.

GHS Hazard pictograms

Signal word
Hazard statements
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye 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.
Do not spray on an open flame or other ignition source.
Pressurized container: 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.
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. Continue rinsing.
Call a poison center/docotor if you feel unwell.
Specific treatment (see on this label).
If eye irritation persists: Get medical advice/attention.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
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>Dangerous components</th>
<th>Chemical composition</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1 Acetone</td>
<td></td>
<td>37.53%</td>
</tr>
<tr>
<td>616-38-6 dimethyl carbonate</td>
<td></td>
<td>21.02%</td>
</tr>
<tr>
<td>74-98-6 propane</td>
<td></td>
<td>15.72%</td>
</tr>
<tr>
<td>106-97-8 n-butane</td>
<td></td>
<td>9.23%</td>
</tr>
<tr>
<td>5989-27-5 d-limonene</td>
<td></td>
<td>1.5%</td>
</tr>
</tbody>
</table>

4 First-aid measures

After inhalation: If breathing is difficult, administer oxygen.
Supply fresh air and to be sure call for a doctor.
Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly.
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.

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: Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol.
Methods and material for containment and cleaning up: Ensure adequate ventilation.

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>Substance</th>
<th>PEL (USA) Long-term value</th>
<th>REL (USA) Long-term value</th>
<th>TLV (USA) Short-term value</th>
<th>TLV (USA) Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1 Acetone</td>
<td>2400 mg/m³, 1000 ppm</td>
<td>590 mg/m³, 250 ppm</td>
<td>1187 mg/m³, 500 ppm</td>
<td>594 mg/m³, 250 ppm</td>
</tr>
<tr>
<td>74-98-6 propane</td>
<td>1800 mg/m³, 1000 ppm</td>
<td>1800 mg/m³, 1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>106-97-8 n-butane</td>
<td>1900 mg/m³, 800 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>Substance</th>
<th>BEI (USA) 50 mg/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1 Acetone</td>
<td></td>
</tr>
</tbody>
</table>

Hygienic protection: Keep away from foodstuffs and animal feed. Wash hands after use. 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: 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. The glove material must be impermeable and resistant to the substance.
Eye protection: Tightly sealed goggles.

9 Physical and chemical properties

Appearance: Aerosol.
Odor: Aromatic
Odor threshold: Not determined.
pH-value: Not determined.
Melting point/Melting range: Undetermined.
Boiling point: -44 °C (-47.2 °F)
Flash point: -19 °C (-2.2 °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: 
0.7 Vol %

Upper Explosion Limit: 
10.9 Vol %

Vapor pressure: 
Not determined.

Relative Density: 
Between 0.77 and 0.85 (Water equals 1.00)

Vapor density: 
Not determined.

Evaporation rate: 
Not applicable.

Partition coefficient: n-octanol/water: 
Not determined.

Solubility: 
Not determined.

Viscosity: 
Not determined.

VOC content (less exempt solvents): 
26.4 %

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:

<table>
<thead>
<tr>
<th>Compound</th>
<th>Oral LD50</th>
<th>Inhalative LC50/4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>616-38-6 dimethyl carbonate</td>
<td>13,000 mg/kg (rat)</td>
<td>658 mg/l (rat)</td>
</tr>
</tbody>
</table>

Information on toxicological effects:
No data available.

Skin effects: 
No irritant effect.

Eye effects: 
Irritating effect.

Sensitization: 
Sensitization possible through skin contact.

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.

Other information: 
This product does not contain any chlorofluorocarbons (CFC’s), hydrochlorofluorocarbons (HCFC’s), perfluorocarbons (PFC’s), heavy metals (chromium, lead, cadmium), or chlorinated solvents.

Bioaccumulative potential: 
No further relevant information available.

Mobility in soil: 
No further relevant information available.

Ecotoxicical effects: 
No further relevant information available.

Remark: 
Harmful to fish

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: N/A
DOT Consumer Commodity ORM-D
ADR: 1950 Aerosols, ENVIRONMENTALLY HAZARDOUS
Transport hazard class(es): 2.1
Marine pollutant: Yes
Special precautions for user: Warning: Gases
EMS Number: F-D-S-U
Packaging Group: --
UN "Model Regulation": UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS
### 15 Regulatory information

<table>
<thead>
<tr>
<th>Section</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 355 (extremely hazardous substances):</td>
<td>None of the ingredients in this product are listed.</td>
</tr>
<tr>
<td>SARA Section 313 (Specific toxic chemical listings):</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>Toxic Substances Control Act (TSCA):</td>
<td>All hazardous ingredients for this product are found on the inventory list of substances.</td>
</tr>
<tr>
<td>Consumer Product Safety Commission (CPSC):</td>
<td>This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.</td>
</tr>
<tr>
<td>California Proposition 65 chemicals known to cause cancer:</td>
<td>68603-42-9 Cocamide diethanolamine</td>
</tr>
<tr>
<td>California Proposition 65 chemicals known to cause birth defects or reproductive harm:</td>
<td>None of the ingredients in this product are listed.</td>
</tr>
<tr>
<td>CANADIAN ENVIRONMENTAL PROTECTION ACT:</td>
<td>All hazardous ingredients for this product appear on the Canadian Domestic Substance List.</td>
</tr>
<tr>
<td>EPA:</td>
<td>67-64-1 Acetone</td>
</tr>
</tbody>
</table>

### 16 Other information

<table>
<thead>
<tr>
<th>Contact</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulatory Affairs</td>
<td></td>
</tr>
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</table>