



**RAINBOW TECHNOLOGY**  
Specialists in Utility Chemicals & Safety Items

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[www.rainbowtech.net](http://www.rainbowtech.net)

Woman-Owned Business Enterprise - Founded 1971

# Safety Data Sheet (SDS)

## 1 Identification of the substance and manufacturer

**Customer** RAINBOW TECHNOLOGY  
**Product Name** Communications Orange Solvent-Based Marking Paint  
**Product Number** 4663  
**Manufacturer/Supplier** Rainbow Technology Corporation  
 261 Cahaba Valley Parkway  
 Pelham, AL 35124  
 800.637.6047  
[www.rainbowtech.net](http://www.rainbowtech.net)  
**Contact Person** Larry Joe Steeley, Jr.  
**Emergency Information** CHEMTEL 1-800-255-3924  
 813-248-0585 if located outside the U.S.

**Revised Date:** October 18, 2023  
**Preparation Date:** August 25, 2015

## 2 Hazard(s) identification

### Classification of the substance or mixture

Flammable Aerosols 1 H222 Extremely flammable aerosol.  
 Gases under Pressure - Liquefied gas H280 Contains gas under pressure; may explode if heated.  
 Specific Target Organ Toxicity - Single Exposure 3 H335 May cause respiratory irritation.  
 Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to organs through prolonged or repeated exposure.

### Additional information: GHS Hazard pictograms



GHS02 GHS04 GHS07 GHS08

### Signal word Hazard statements

Danger  
 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.  
 Pressurized container: Do not pierce or burn, even after use.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Use only outdoors or in a well-ventilated area.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Call a poison center/doctor if you feel unwell.  
 Store in a well-ventilated place.  
 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.

### Precautionary statements

## 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:

1317-65-3	Calcium Carbonate	25-50%
74-98-6	propane	15-25%
64742-89-8	VM&P Naphtha	10-15%
106-97-8	n-butane	5-10%
64742-47-8	Mineral Spirits	5-10%
142-82-5	heptane	≥5-<10%
110-19-0	Isobutyl Acetate	5-10%

## 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.

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## 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.

### 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:

#### 74-98-6 propane

REL (USA) Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm

REL (USA) Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm

TLV (USA) see Appendix F Minimal oxygen content ( D, EX)

#### 106-97-8 n-butane

REL (USA) Long-term value: 1900 mg/m<sup>3</sup>, 800 ppm

TLV (USA) Short-term value: 1000 ppm  
(EX)

#### 142-82-5 heptane

REL (USA) Long-term value: 2000 mg/m<sup>3</sup>, 500 ppm

REL (USA) Long-term value: 350 mg/m<sup>3</sup>, 85 ppm  
Ceiling limit value: 1800\* mg/m<sup>3</sup>, 440\* ppm  
\*15-min

TLV (USA) Short-term value: 500 ppm  
Long-term value: 400 ppm

#### 110-19-0 Isobutyl Acetate

REL (USA) Long-term value: 700 mg/m<sup>3</sup>, 150 ppm

REL (USA) Long-term value: 700 mg/m<sup>3</sup>, 150 ppm

TLV (USA) Short-term value: 150 ppm  
Long-term value: 50 ppm

### Hygienic protection:

Immediately remove all soiled and contaminated clothing.

Wash hands after use.

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 NIOSH approved 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 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:

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)

### Vapor density

Not determined.

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**Evaporation rate** Not applicable.  
**Partition coefficient: n-octanol/water:** Not determined.  
**Solubility:** Not determined.  
**Viscosity:** Not determined.

## 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:

#### 110-19-0 Isobutyl Acetate

Oral LD50 4,763 mg/kg (rbt)

**Information on toxicological effects:** No data available.  
**Skin effects:** No irritant effect.  
**Eye effects:** No 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.  
**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.  
**Remark:** Toxic for 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.  
**Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

**UN-Number** UN1950  
**DOT** UN1950  
**DOT** DOT  
**ADR** Aerosols, flammable  
**Transport hazard class(es):** 1950 Aerosols, ENVIRONMENTALLY HAZARDOUS  
**Class** 2.1 Gases  
**Marine pollutant:** Symbol (fish and tree)  
**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

### 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.

### Toxic Substances Control Act

**(TSCA):** All hazardous ingredients are found on the inventory list of substances.

### Canadian Domestic Substances List

**(DSL):** All ingredients are listed or exempted.

### Consumer Product Safety

**Comission (CPSC):** This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

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

100-41-4 ethyl benzene

**Prop 65 chemicals known to cause birth defects or reproductive harm:**

None of the ingredients is listed.

**EPA:**

142-82-5 heptane

D

110-19-0 Isobutyl Acetate

D

**16 Other information**

Contact: Regulatory Affairs