



**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

<b>Customer</b>	<b>RAINBOW TECHNOLOGY</b>
<b>Product Name</b>	<b>Black Solvent Based Marking Paint</b>
<b>Product Number</b>	<b>4666</b>
<b>Manufacturer/Supplier</b>	Rainbow Technology Corporation 261 Cahaba Valley Parkway Pelham, AL 35124 800.637.6047 <a href="http://www.rainbowtech.net">www.rainbowtech.net</a>
<b>Contact Person</b>	Larry Joe Steeley, Jr.
<b>Emergency Information</b>	<b>CHEMTEL 1-800-255-3924</b> <b>813-248-0585 if located outside the U.S.</b>

**Revised Date:** August 24, 2015  
**Preparation Date:** February 14, 2014

## 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.  
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 Hazard statements

Danger  
Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.  
Causes skin irritation.  
May cause respiratory irritation.

### Precautionary statements

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.  
Wash hands thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves.  
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.  
If skin irritation occurs: Get medical advice/attention.  
If on skin: Wash with plenty of water.  
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.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

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## 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	22.52%
64742-89-8	VM&P Naphtha	16.86%
74-98-6	propane	15.75%
106-97-8	n-butane	9.25%
142-82-5	heptane	8.4%
64742-47-8	Mineral Spirits	5.99%
67-63-0	isopropyl alcohol	2.42%
1330-20-7	xylene (mix)	2.07%

## 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:** CO<sub>2</sub>, 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.  
**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

PEL (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) refer to Appendix F

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

REL (USA) Long-term value: 1900 mg/m<sup>3</sup>, 800 ppm  
 TLV (USA) Short-term value: 2370 mg/m<sup>3</sup>, 1000 ppm

#### 142-82-5 heptane

PEL (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: 2050 mg/m<sup>3</sup>, 500 ppm  
 Long-term value: 1640 mg/m<sup>3</sup>, 400 ppm

#### 67-63-0 isopropyl alcohol

PEL (USA) Long-term value: 980 mg/m<sup>3</sup>, 400 ppm  
 REL (USA) Short-term value: 1225 mg/m<sup>3</sup>, 500 ppm  
 Long-term value: 980 mg/m<sup>3</sup>, 400 ppm  
 TLV (USA) Short-term value: 984 mg/m<sup>3</sup>, 400 ppm  
 Long-term value: 492 mg/m<sup>3</sup>, 200 ppm  
 BEI

#### 1330-20-7 xylene (mix)

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PEL (USA)	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL (USA)	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV (USA)	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

### Ingredients with biological limit values:

#### 67-63-0 isopropyl alcohol

BEI (USA)	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
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#### 1330-20-7 xylene (mix)

BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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<b>Hygienic protection:</b>	Immediately remove all soiled and contaminated clothing. Wash hands after use. Do not eat or drink while working.
<b>Breathing equipment:</b>	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.
<b>Hand protection:</b>	Protective gloves. The glove material must be impermeable and resistant to the substance.
<b>Eye protection:</b>	Tightly sealed goggles

## 9 Physical and chemical properties

<b>Appearance:</b>	Aerosol.
<b>Odor:</b>	Aromatic
<b>Odor threshold:</b>	Not determined.
<b>pH-value:</b>	Not determined.
<b>Melting point/Melting range</b>	Undetermined.
<b>Boiling point:</b>	-44 °C (-47 °F)
<b>Flash point:</b>	-19 °C (-2 °F)
<b>Flammability (solid, gas):</b>	Extremely flammable.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Product is not self-igniting.
<b>Danger of explosion:</b>	In use, may form flammable/explosive vapour-air mixture.
<b>Lower Explosion Limit:</b>	1.7 Vol %
<b>Upper Explosion Limit:</b>	10.9 Vol %
<b>Vapor pressure:</b>	Not determined.
<b>Relative Density:</b>	Between 0.77 and 0.85 (Water equals 1.00)
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not applicable.
<b>Partition coefficient: n-octonal/water:</b>	Not determined.
<b>Solubility:</b>	Not determined.
<b>Viscosity:</b>	Not determined.
<b>VOC content:</b>	467.2 g/l / 3.90 lb/gl
<b>VOC content (less exempt solvents):</b>	61.3 %
<b>Solids content:</b>	38.6 %

## 10 Stability and reactivity

<b>Reactivity:</b>	Stable at normal temperatures.
<b>Conditions to avoid:</b>	Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.
<b>Chemical stability:</b>	Not fully evaluated.
<b>Possibility of hazardous reactions:</b>	No dangerous reactions known.
<b>Incompatible materials:</b>	No further relevant information available.
<b>Hazardous decomposition:</b>	No dangerous decomposition products known.

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## 11 Toxicological information

### LD/LC50 values that are relevant for classification:

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

Inhalative LC50/4 h 658 mg/l (rat)

#### 67-63-0 isopropyl alcohol

Oral LD50 4570 mg/kg (rat)

Dermal LD50 13400 mg/kg (rab)

Inhalative LC50/4 h 30 mg/l (rat)

#### 1330-20-7 xylene (mix)

Oral LD50 8700 mg/kg (rat)

Dermal LD50 2000 mg/kg (rbt)

Inhalative LC50/4 h 6350 mg/l (rat)

**Information on toxicological effects:** No data available.

**Skin effects:** No irritant effect.

**Eye effects:** No irritating effect.

**Sensitization:** No sensitizing effects known.

### Carcinogenic categories

#### IARC (International Agency for Research on Cancer)

67-63-0 isopropyl alcohol

3

1330-20-7 xylene (mix)

3

#### NTP (National Toxicology Program)

None of the ingredients is listed.

## 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.

**Ecotoxicological effects:**

**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.

## 14 Transport information

**UN-Number** UN1950

**DOT** N/A

**DOT** Consumer Commodity ORM-D

Aerosols, flammable

**ADR** 1950 Aerosols, ENVIRONMENTALLY HAZARDOUS

**Transport hazard class(es):**

**Class** 2.1

**Marine pollutant:** Yes

Symbol (fish and tree)

Symbol (fish and tree)

**Special marking (ADR):** Warning: Gases

**Special precautions for user:** F-D,S-U

**EMS Number:** F-D,S-U

**Quantity limitations** On passenger aircraft/rail: 75 kg

On cargo aircraft only: 150 kg

**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, ENVIRONMENTALLY HAZARDOUS, 2.1

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## 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):**

67-63-0 isopropyl alcohol

1330-20-7 xylene (mix)

**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:**

1333-86-4 Carbon black

100-41-4 ethyl benzene

**CANADIAN ENVIRONMENTAL PROTECTION ACT:**

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

**EPA:**

142-82-5 heptane

1330-20-7 xylene (mix)

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## 16 Other information

**Contact:** Larry Joe Steeley, Jr 800-637-6047