

# Safety Data Sheet (SDS)

## Material Safety Data Sheet

Reviewed on 05/28/2014

### 1 Identification of substance

**Trade name:** BLACK ENAMEL TOUCH-UP PAINT  
**Product number:** 4656  
**Manufacturer/Supplier:** Rainbow Technology Corporation  
 261 Cahaba Valley Parkway  
 Pelham, Alabama 35124  
 (800) 637.6047, 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.



### 2 Composition/Data on components

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

Dangerous components:		
67-64-1	Acetone	21.12%
74-98-6	propane	18.91%
108-88-3	Toluene	15.92%
106-97-8	n-butane	11.11%
64742-89-8	VM&P Naptha	8.79%
64742-47-8	Mineral Spirits	2.6%
67-63-0	isopropyl alcohol	2.47%

**Additional information:** For the wording of the listed risk phrases refer to section 3.

### 3 Hazards identification

**Hazard description:**   Harmful  
Extremely flammable

**Physical dangers:** Extremely flammable liquid and vapor in a pressurized container. Keep away from heat, sparks, and flame.  
Extremely flammable.  
Irritating to eyes.  
Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
Keep out of the reach of children.

**Effects of short-term overexposure:** Vapors cause irritation to the eyes, nose, throat, skin, and central nervous system. Symptoms may include dizziness, throat irritation, headache, fatigue, swelling of eyes, and nausea.

**Effects of chronic overexposure:** May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

**NFPA ratings (scale 0 - 4):** Health = 1  
Fire = 4  
Reactivity = 3

**HMIS-ratings (scale 0 - 4):** Health= 1  
Fire= 4  
Physical Hazard= 3

### 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:** Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
**After swallowing:** Contact physician or poison control center.

### 5 Fire fighting measures

**Extinguishing agents:** CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.  
**Protective equipment:** No special measures required.

### 6 Accidental release measures

**Personal safety precautions:** Wear protective equipment. Keep unprotected persons away.

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**Environmental safety precautions:**

Inform appropriate authorities in case of seepage into water course or sewage system. Do not allow product to reach sewage systems or ground water.

**Measures for cleaning/collecting:**

Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up spills with inert absorbent material. Refer to section 13 for disposal information.

## 7 Handling and storage

**Fire/explosion protection:** Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic charges.

**Storage requirements:** Observe pressurized container storage regulations. Consult with your local authorities. Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions.

## 8 Exposure controls and personal protection:

### Components with limit values that require monitoring at the workplace:

#### 67-64-1 Acetone

PEL	2400 mg/m <sup>3</sup> , 1000 ppm
REL	590 mg/m <sup>3</sup> , 250 ppm
TLV	Short-term value: 1782 mg/m <sup>3</sup> , 750 ppm
	Long-term value: 1188 mg/m <sup>3</sup> , 500 ppm
BEI	

#### 108-88-3 Toluene

PEL	Short-term value: C 300; 500* ppm
	Long-term value: 200 ppm
	*10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm
	Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
TLV	(188) NIC-75 mg/m <sup>3</sup> , (50) NIC-20 ppm
	(Skin); (BEI)

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

REL	1900 mg/m <sup>3</sup> , 800 ppm
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#### 67-63-0 isopropyl alcohol

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

**Protective hygienic measures:**

Keep away from foodstuffs and animal feed. Wash hands after use.

**Breathing equipment:**

Use suitable respiratory protective device in case of insufficient ventilation.

**Protection of hands:**

A respirator is generally not necessary when using this product outdoors or in large open areas. In cases of inadequate ventilation, a respiratory protective device should be worn to prevent overexposure. Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

**Eye protection:**

Tightly sealed goggles

## 9 Physical and chemical properties:

**General Information:**

<b>Color:</b>	According to trade name description in section 1.
<b>Odor:</b>	Solvent
<b>Boiling point/Boiling range:</b>	-44°C (-47°F)

<b>Flash point:</b>	-19°C (-2°F)
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<b>Ignition temperature:</b>	365.0°C (689°F)
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<b>Auto igniting:</b>	Product is not self-igniting.
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<b>Danger of explosion:</b>	Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 degrees fahrenheit.
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In use, may form flammable/explosive vapour-air mixture.

<b>Lower Explosion Limit:</b>	1.5 Vol %
<b>Upper Explosion Limit:</b>	10.9 Vol %

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<b>Vapor Pressure:</b>	40 PSI, 2750 hPa
<b>Density:</b>	Not determined.
<b>Specific Gravity:</b>	Between 0.77 and 0.85 (Water equals 1.00)
<b>VOC content:</b>	818.7 g/l / 6.83 lb/gl
<b>VOC in weight percent (less acetone):</b>	60.0 %
<b>Solids content:</b>	16.9 %

## 10 Stability and reactivity:

**Conditions to be avoided:** Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.  
**Possibility of Hazardous Reactions:** No dangerous reactions known.

## 11 Toxicological information:

**Primary effect on the skin:** No irritant effect.  
**Primary effect on the eye:** Irritating effect.  
**Sensitization:** No sensitizing effects known.  
**Additional toxicological information:** Harmful

## 12 Ecological information

**Other information:** This product does not contain any chloroflourocarbons (CFC's), chlorinated solvents, lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), or polybrominated diphenyl ether (PDBE). No specific ecological data is available for this product.  
**Aquatic toxicity:** Harmful to aquatic organisms.  
 Hazardous for water, do not empty into drains.

## 13 Disposal considerations

**DISPOSAL METHOD:** 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:** Empty cans should be recycled.

## 14 Transport information:

**Hazard class:** 2.1  
**Identification number:** N/A  
**Label:** 2.1  
**ADR/RID class:** 2 5F Gases  
**UN-Number:** 1950  
**IMDG Class:** 2  
**Packaging group:** II  
**EMS Number:** F-D,S-U  
**Marine pollutant:** No  
**ICAO/IATA Class:** 2.1  
**Propper shipping name:** Aerosols, Flammable  
 Consumer Commodity ORM-D

## 15 Regulations

### 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.

### TSCA (Toxic Substances

**Control Act):** All ingredients are listed.

### PROPOSITION 65 Chemicals known to cause cancer:

1333-86-4	Carbon black
100-41-4	ethyl benzene

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**PROPOSITION 65**

**Chemicals known to cause**

**developmental toxicity:** 108-88-3 Toluene

**Canadian WHMIS:** Class A, B5---Flammable Aerosols

**EPA:**

A= Known human carcinogen      B= Probable human carcinogen

C= Possible human carcinogen

D= Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).

**IARC:**

Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.

Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.

67-63-0 | isopropyl alcohol

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**ACGIH TLVs:**

A1-designates a confirmed human carcinogen.

A2-designates a suspected human carcinogen.

A3-designates an animal carcinogen.

A4-designates "not classifiable as a human carcinogen".

**NIOSH:**

1333-86-4 | Carbon black

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Contact:** Regulatory Affairs

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