



# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 08/28/2007

Reviewed on 08/28/2007

**Trade name: SEMI-GLOSS BLACK ENAMEL**

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**Environmental safety precautions:  
Measures for cleaning/  
collecting:**

Do not allow product to reach sewage systems or ground water.

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 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	

**106-97-8 n-butane**

REL	1900 mg/m <sup>3</sup> , 800 ppm
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**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> , 20 ppm
	(Skin); (BEI)

**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:**

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.

**Protection of hands:**

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>Form:</b>	Aerosol
<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°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.
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<b>Lower Explosion Limit:</b>	0.9 Vol %
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<b>Upper Explosion Limit:</b>	10.9 Vol %
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<b>Vapor Pressure:</b>	40 PSI, 2750 hPa
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USA

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<b>Density at 20°C (68°F):</b>	0.73669 g/cm <sup>3</sup>
<b>Specific Gravity:</b>	Between 0.77 and 0.85 (Water equals 1.00)
<b>VOC content:</b>	566.9 g/l / 4.73 lb/gl
<b>VOC content (less exempt solvents):</b>	61.8 %
<b>MIR Value:</b>	1.10
<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.

## 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.  
**Acquatic toxicity:** 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:** 2.1  
**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

### PROPOSITION 65

#### Chemicals known to cause

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

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

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USA

