

# Safety Data Sheet

acc. to OSHA HCS

Printing date 01/10/2014

Revised On 01/10/2014

## 1 Identification of the substance and manufacturer

**Trade name:** SEMI-GLOSS BLACK ENAMEL  
**Product code:** 4187  
**Manufacturer/Supplier:** International Epoxies and Sealers  
 P.O. Box 185  
 San Antonio, FL 33576-0185  
**Emergency telephone number:** INFOTRAC 1-352-323-3500

## 2 Composition/information on ingredients

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

### Dangerous components:

67-64-1	Acetone	20.94%
74-98-6	propane	18.91%
64742-89-8	VM&P Naphtha	13.99%
106-97-8	n-butane	11.11%
108-88-3	Toluene	10.83%
1317-65-3	Calcium Carbonate	4.55%
64742-47-8	Mineral Spirits	3.68%
67-63-0	isopropyl alcohol	2.49%

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

## 3 Hazard(s) identification

### Hazard Information for people and the environment:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.  
 Extremely flammable liquid and vapor in a pressurized container. Keep away from heat, sparks, and flame.  
 Has narcotizing effect.

### Risk phrases:

Extremely flammable.  
 Irritating to eyes.  
 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
 Possible risk of harm to the unborn child

### Safety phrases:

Keep locked up and out of the reach of children.  
 Keep away from sources of ignition - No smoking.  
 Do not breathe gas/fumes/vapour/spray.  
 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point  
 Wear suitable protective clothing and gloves.  
 If swallowed, seek medical advice immediately and show this container or label.

### 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 (0 - 4):

Health = 1  
 Fire = 4  
 Reactivity = 3

### HMS-ratings (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:** Do not induce vomiting; immediately call for medical help.  
 Rinse out mouth and then drink plenty of water.

## 5 Fire-fighting measures

**Extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.  
 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.  
**Additional information:** Cool endangered receptacles with water spray.

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

### Environmental precautions: Methods and material for containment and cleaning up:

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.  
Ensure adequate ventilation.

## 7 Handling and storage

### Precautions for safe handling Fire/explosion protection:

No special precautions are necessary if used correctly.  
Do not smoke. Protect from electrostatic charges.  
Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges.

### Storage requirements:

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

## 8 Exposure controls/personal protection

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

#### 67-64-1 Acetone

PEL Long-term value: 2400 mg/m<sup>3</sup>, 1000 ppm  
REL Long-term value: 590 mg/m<sup>3</sup>, 250 ppm  
TLV Short-term value: (1782) NIC-1187 mg/m<sup>3</sup>, (750) NIC-500 ppm  
Long-term value: (1188) NIC-475 mg/m<sup>3</sup>, (500) NIC-200 ppm  
BEI

#### 74-98-6 propane

PEL Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm  
REL Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm  
TLV refer to Appendix F: minimal oxygen content

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

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

#### 108-88-3 Toluene

PEL Long-term value: 200 ppm  
Ceiling limit value: 300; 500\* 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 Long-term value: 75 mg/m<sup>3</sup>, 20 ppm  
BEI

#### 67-63-0 isopropyl alcohol

PEL Long-term value: 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

### Ingredients with biological limit values:

#### 67-64-1 Acetone

BEI 50 mg/L  
Medium: urine  
Time: end of shift  
Parameter: Acetone (nonspecific)

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**108-88-3 Toluene**

BEI 0.02 mg/L  
 Medium: blood  
 Time: prior to last shift of workweek  
 Parameter: Toluene

0.03 mg/L  
 Medium: urine  
 Time: end of shift  
 Parameter: Toluene

0.3 mg/g creatinine  
 Medium: urine  
 Time: end of shift  
 Parameter: o-Cresol with hydrolysis (background)

**67-63-0 isopropyl alcohol**

BEI 40 mg/L  
 Medium: urine  
 Time: end of shift at end of workweek  
 Parameter: Acetone (background, nonspecific)

**Hygienic protection:** Keep away from foodstuffs and animal feed. Wash hands after use. 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 charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

**Hand protection:** Protective gloves. The glove material must be impermeable and resistant to the substance.

**Eye protection:** Tightly sealed goggles

**9 Physical and chemical properties**

**Odor:** Solvent

**pH-value:** Not determined.

**Boiling point:** -110 °C (-166 °F)

**Flash point:** -19 °C (-2 °F)

**Auto igniting:** Product is not self-igniting.

**Danger of explosion:** Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 degrees fahrenheit. In use, may form flammable/explosive vapour-air mixture.

**Lower Explosion Limit:** 1.5 Vol %

**Upper Explosion Limit:** 10.9 Vol %

**Vapor Pressure:** 40 PSI, 2750 hPa

**Specific Gravity:** Between 0.77 and 0.85 (Water equals 1.00)

**VOC content:** 564.9 g/l / 4.71 lb/gl

**VOC content (less exempt solvents):** 61.8 %

**MIR Value:** 1.08

**Solids content:** 17.2 %

**Other information** No further relevant information available.

**10 Stability and reactivity**

**Conditions to avoid:** Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.

**Hazardous decomposition:** No dangerous decomposition products known.

**11 Toxicological information**

**Skin effects:** No irritant effect.

**Eye effects:** Irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

**Carcinogenic categories****IARC (International Agency for Research on Cancer)**

108-88-3	Toluene	3
67-63-0	isopropyl alcohol	3

**NTP (National Toxicology Program)**

None of the ingredients is listed.

**12 Ecological information**

**Aquatic toxicity:** Hazardous for water, do not empty into drains.

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

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Product does not contain CFC's.  
This product does not contain any chlorofluorocarbons (CFC's), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), or chlorinated solvents.

### 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

<b>UN-Number</b>	UN1950
<b>DOT</b>	Consumer Commodity ORM-D Aerosols, flammable
<b>Class</b>	2.1
<b>Marine pollutant:</b>	No
<b>EMS Number:</b>	F-D,S-U
<b>Packaging Group:</b>	--

### 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):**

108-88-3	Toluene
67-63-0	isopropyl alcohol

**TSCA:** All ingredients are listed.

**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

**California Proposition 65 chemicals know to cause developmental toxicity:**

108-88-3 Toluene

**EPA:**

67-64-1	Acetone	I
108-88-3	Toluene	II

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

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

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".

67-64-1	Acetone	A4
108-88-3	Toluene	A4
67-63-0	isopropyl alcohol	A4

**NIOSH:**

1333-86-4	Carbon black
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### 16 Other information

This product was manufactured in the U.S.A.

The information on this sheet 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

**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
TSCA: Toxic Substances Control Act  
CPSC: Consumer Product Safety Commission  
EPA: Environmental Protection Agency  
IARC: International Agency for the Research of Cancer  
NIOSH: National Institute for Occupational Safety and Health