

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 08/28/2007

Reviewed on 08/28/2007

## 1 Identification of substance

**Trade name:** SILVER TONE LACQUER

**Product code:** 4201

**Manufacturer/Supplier:** International Epoxies & Sealers  
P.O. Box 185  
san Antonio, FL 33576  
(800) 451-7206

**Information department:** Health & Safety Department

**Emergency information:** INFOTRAC: 1-800-535-5053, 1-352-323-3500 Call Collect 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	27.63%
74-98-6	propane	17.65%
108-10-1	methyl isobutyl ketone	12.04%
106-97-8	n-butane	10.36%
7429-90-5	Aluminum flake	4.19%
108-88-3	Toluene	3.68%
78-93-3	butanone	3.43%
64-17-5	ethyl alcohol	3.12%
111-76-2	Glycol Ether EB	2.99%
108-21-4	isopropyl acetate	2.77%
64742-47-8	Mineral Spirits	1.8%
67-63-0	isopropyl alcohol	1.51%

## 3 Hazards identification

### Hazard description:



Irritant  
Extremely flammable

### Physical dangers:

Extremely flammable.  
Irritating to eyes.  
Vapours may cause drowsiness and dizziness  
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.

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## 6 Accidental release measures

### Personal safety

#### precautions:

Wear protective equipment. Keep unprotected persons away.

### 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 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

REL 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

#### 108-10-1 methyl isobutyl ketone

REL 410 mg/m<sup>3</sup>, 100 ppm  
REL Short-term value: 300 mg/m<sup>3</sup>, 75 ppm  
Long-term value: 205 mg/m<sup>3</sup>, 50 ppm  
TLV Short-term value: 307 mg/m<sup>3</sup>, 75 ppm  
Long-term value: 205 mg/m<sup>3</sup>, 50 ppm  
BEI

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

REL 1900 mg/m<sup>3</sup>, 800 ppm

#### 7429-90-5 Aluminum flake

REL 15\* 5\*\* mg/m<sup>3</sup>  
Metal dust \*total dust \*\*respirable fraction  
REL 10\* 5\*\* mg/m<sup>3</sup>  
Metal dust \*total dust \*\*respirable fraction  
TLV 10 mg/m<sup>3</sup>  
Metal dust

#### 108-88-3 Toluene

REL 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)

#### 78-93-3 butanone

REL 590 mg/m<sup>3</sup>, 200 ppm  
REL Short-term value: 885 mg/m<sup>3</sup>, 300 ppm  
Long-term value: 590 mg/m<sup>3</sup>, 200 ppm  
TLV Short-term value: 885 mg/m<sup>3</sup>, 300 ppm  
Long-term value: 590 mg/m<sup>3</sup>, 200 ppm  
BEI

#### 64-17-5 ethyl alcohol

REL 1900 mg/m<sup>3</sup>, 1000 ppm  
REL 1900 mg/m<sup>3</sup>, 1000 ppm  
TLV 1880 mg/m<sup>3</sup>, 1000 ppm

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**111-76-2 Glycol Ether EB**

PEL	240 mg/m <sup>3</sup> , 50 ppm Skin
REL	24 mg/m <sup>3</sup> , 5 ppm Skin
TLV	97 mg/m <sup>3</sup> , 20 ppm

**108-21-4 isopropyl acetate**

PEL	950 mg/m <sup>3</sup> , 250 ppm
TLV	Short-term value: 836 mg/m <sup>3</sup> , 200 ppm Long-term value: 418 mg/m <sup>3</sup> , 100 ppm

**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.

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)

**Flash point:** -19°C (-2°F)**Ignition temperature:** 365°C (689°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**Density at 20°C (68°F):** 0.74448 g/cm<sup>3</sup>**Specific Gravity:** Between 0.77 and 0.85 (Water equals 1.00)**VOC content:** 601.8 g/l / 5.02 lb/gl**VOC content (less exempt solvents):** 59.8 %**MIR Value:** 1.29**Solids content:** 12.6 %**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.

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## 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  
**Proper 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):

108-10-1 methyl isobutyl ketone

78-93-3 butanone

111-76-2 Glycol Ether EB

### TSCA (Toxic Substances

Control Act): All ingredients are listed.

### PROPOSITION 65 Chemicals known to cause cancer:

None of the ingredients in this product are listed.

### PROPOSITION 65

#### Chemicals known to cause

developmental toxicity: 108-88-3 Toluene

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

### EPA:

78-93-3 butanone

D

### 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.

111-76-2 Glycol Ether EB

3

67-63-0 isopropyl alcohol

3

### 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".

64-17-5 ethyl alcohol

A4

### NIOSH:

None of the ingredients is listed.

## 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.