

**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

Printing date 01/08/2003

Reviewed on 01/08/2003

## 1 Identification of substance

**Trade name:** SPRUCE LIGHT GRAY PRIMER

**Product code:** 0000980015

**Manufacturer/Supplier:**  
SEYMOUR OF SYCAMORE  
917 Crosby Avenue  
Sycamore, IL 60178  
(815)-895-9101

**Information department:** Health & Safety Department  
**Emergency information:** CHEMTEL 1-800-255-3924

**DISTRIBUTED BY: RAINBOW TECHNOLOGY**  
**800.637.6047 OR 205.733.0333**  
**RTC PRODUCT NO. 4649**

## 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             | Xi, F; R 11-36-66-67 | 24.25% |
| 74-98-6    | propane             | F+; R 12             | 13.87% |
| 106-97-8   | n-butane            | F+; R 12             | 8.15%  |
| 64742-89-8 | VM&P Naptha         | Xn; R 20/22          | 5.8%   |
| 13463-67-7 | titanium dioxide    | Xi; R 37             | 5.35%  |
| 108-88-3   | toluene             | Xn, F; R 11-20       | 5.07%  |
| 14807-96-6 | Talc (Mg3H2(SiO3)4) | Xi; R 37             | 4.49%  |
| 1330-20-7  | xylene (mix)        | Xn; R 10-20/21-38    | 4.1%   |
| 64-17-5    | ethyl alcohol       | F; R 11              | 3.99%  |
| 123-86-4   | n-butyl acetate     | R 10-66-67           | 3.25%  |
| 64742-47-8 | Mineral Spirits     | Xn, F; R 11-65       | 2.67%  |
| 110-19-0   | isobutyl acetate    | F; R 11-66           | 1.62%  |
| 67-63-0    | isopropyl alcohol   | Xi, F; R 11-36-67    | 1.14%  |

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

## 3 Hazards identification

### Hazard description:



Xi Irritant  
F+ Extremely flammable

### Information pertaining to particular dangers for man and environment:

Warning! Pressurized container.

Has a narcotizing effect.

R 12 Extremely flammable.

R 36/37 Irritating to eyes and respiratory system.

R 67 Vapours may cause drowsiness and dizziness

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.

Keep out of the reach of children.

**Classification system:** The classifications were made according to the current domestic hazardous substance lists.

### NFPA ratings (scale 0 - 4)

Health = 1

Fire = 4

Reactivity = 3

### HMS-ratings (scale 0 - 4)

Health = 1

Fire = 3

Physical Hazard = 3

## 4 First aid measures

**After inhalation:** In case of unconsciousness, place patient in side position for transportation.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Consult a doctor if symptoms persist.

## 5 Fire fighting measures

**Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.

**Protective equipment:** No special measures required.

## 6 Accidental release measures

**Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

### Measures for environmental protection:

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

Inform appropriate authorities in case of seepage into water course or sewage system.

**Measures for cleaning/collecting:** Do not flush with water or aqueous cleansing agents

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### 7 Handling and storage

**Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Handle carton and cans with care.

**Information about protection against explosions and fires:**

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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.

**Requirements to be met by storerooms and receptacles:**

Observe official regulations on storing packagings with pressurized containers. Consult with your local authorities.

**Further information about storage conditions:** Protect from heat and direct sunlight. Do not warehouse in subfreezing temperatures.

### 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 ppmREL 590 mg/m<sup>3</sup>, 250 ppmTLV Short-term value: 1782 mg/m<sup>3</sup>, 750 ppmLong-term value: 1188 mg/m<sup>3</sup>, 500 ppm

BEI

**74-98-6 propane**
PEL 1800 mg/m<sup>3</sup>, 1000 ppmREL 1800 mg/m<sup>3</sup>, 1000 ppmTLV 4508 mg/m<sup>3</sup>, 2500 ppm
**106-97-8 n-butane**
REL 1900 mg/m<sup>3</sup>, 800 ppmTLV 1900 mg/m<sup>3</sup>, 800 ppm
**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 ppmLong-term value: 375 mg/m<sup>3</sup>, 100 ppmTLV 188 mg/m<sup>3</sup>, 50 ppm

Skin; BEI

**1330-20-7 xylene (mix)**
PEL 435 mg/m<sup>3</sup>, 100 ppmREL Short-term value: 655 mg/m<sup>3</sup>, 150 ppmLong-term value: 435 mg/m<sup>3</sup>, 100 ppm

(o-, m-, &amp; p-isomers)

TLV Short-term value: 651 mg/m<sup>3</sup>, 150 ppmLong-term value: 434 mg/m<sup>3</sup>, 100 ppm

BEI

**64-17-5 ethyl alcohol**
PEL 1900 mg/m<sup>3</sup>, 1000 ppmREL 1900 mg/m<sup>3</sup>, 1000 ppmTLV 1880 mg/m<sup>3</sup>, 1000 ppm
**123-86-4 n-butyl acetate**
PEL 710 mg/m<sup>3</sup>, 150 ppmREL Short-term value: 950 mg/m<sup>3</sup>, 200 ppmLong-term value: 710 mg/m<sup>3</sup>, 150 ppmTLV Short-term value: 950 mg/m<sup>3</sup>, 200 ppmLong-term value: 713 mg/m<sup>3</sup>, 150 ppm
**110-19-0 isobutyl acetate**
PEL 700 mg/m<sup>3</sup>, 150 ppmREL 700 mg/m<sup>3</sup>, 150 ppmTLV 713 mg/m<sup>3</sup>, 150 ppm
**67-63-0 isopropyl alcohol**
PEL 980 mg/m<sup>3</sup>, 400 ppmREL Short-term value: 1225 mg/m<sup>3</sup>, 500 ppmLong-term value: 980 mg/m<sup>3</sup>, 400 ppmTLV Short-term value: (1230) mg/m<sup>3</sup>, (500) ppmLong-term value: (983) mg/m<sup>3</sup>, (400) ppm

NIC-200; 491; 400; 984; A 4

**Additional information:**

The lists that were valid during the creation were used as the basis for these calculations.

The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. However, a two year rat and mouse gavage study by the National Toxicology Program on mixed xylene isomers including 17% ethylbenzene showed no evidence of carcinogenicity.

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages, and animal feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**Breathing equipment:**

For episodes of brief exposure, use a respiratory filter device. In cases of intensive or longer exposures, use a respiratory protective device that is independent of circulating air.

Use suitable respiratory protective device in case of insufficient ventilation.

**Protection of hands:**

The glove material has to be impermeable and resistant to the substance. The resistance of the glove material cannot be calculated in advance; therefore, no glove recommendation can be given.

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Eye protection: Tightly sealed goggles

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### 9 Physical and chemical properties:

#### General Information:

|                                       |   |
|---------------------------------------|---|
| Form:                                 | Aerosol   |
| Color:                                | According to trade name description in section 1.   |
| Odor:                                 | Solvent   |
| Boiling point/Boiling range:          | -44°C (-47°F)   |
| Flash point:                          | -19°C (-2°F)  |
| Ignition temperature:                 | 365.0°C (689°F)   |
| Auto igniting:                        | Product is not self-igniting.   |
| Danger of explosion:                  | Heating may cause an explosion.<br>In use, may form flammable/explosive vapour-air mixture. |
| Lower Explosion Limit:                | 1.7 Vol %   |
| Upper Explosion Limit:                | 13.0 Vol %  |
| Vapor pressure at 20°C (68°F):        | 8300.0 hPa (6226 mm Hg)   |
| Density:                              | Not determined.   |
| Specific Gravity:                     | Between 0.77 and 0.90 (Water equals 1.00)   |
| VOC content:                          | 0.49 kg/l / 4.09 lb/gal   |
| VOC in weight percent (less acetone): | 49.0 %  |
| Solids content:                       | 22.0 %  |

### 10 Stability and reactivity:

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.  
**Dangerous reactions:** No dangerous reactions known.

### 11 Toxicological information:

**Primary irritating effect on the skin:** No irritant effect.  
**Primary irritating effect on the eye:** Irritating effect.  
**Sensitization:** No sensitizing effects known.  
**Additional toxicological information:**  
 The product shows the following dangers according to internally approved calculation methods for preparations:  
 Irritant.

### 12 Ecological information

**Information about elimination (persistence and degradability):**  
**Other information:** This product does not contain any chlorinated solvents or lead. No specific ecological data is available for this product.  
**Ecotoxicological effects:**  
**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. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torches.  
**Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

### 14 Transport information:

|                        |   |
|------------------------|---|
| Hazard class:          | 2.1   |
| Identification number: | N/A   |
| Label:                 | 2.1   |
| ADR/RID class:         | 2 5TF Gases                                     |
| UN-Number:             | 1950  |
| IMDG Class:            | 2   |
| Packaging group:       | II  |
| EMS Number:            | 2-13  |
| Marine pollutant:      | No  |
| ICAO/IATA Class:       | 2.1   |
| Propper shipping name: | Aerosols, Flammable<br>Consumer Commodity ORM-D |

### 15 Regulations

SARA

Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

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**Section 313 (Specific toxic chemical listings):**

|           |                   |
|-----------|-------------------|
| 108-88-3  | toluene           |
| 1330-20-7 | xylene (mix)      |
| 67-63-0   | isopropyl alcohol |
| 100-41-4  | ethyl benzene     |
| 67-56-1   | methanol          |

**TSCA (Toxic Substances Control Act):**

|            |                     |
|------------|---------------------|
| 67-64-1    | acetone             |
| 74-98-6    | propane             |
| 106-97-8   | n-butane            |
| 64742-89-8 | VM&P Naptha         |
| 13463-67-7 | titanium dioxide    |
| 108-88-3   | toluene             |
| 14807-96-6 | Talc (Mg3H2(SiO3)4) |
| 1330-20-7  | xylene (mix)        |
| 64-17-5    | ethyl alcohol       |
| 123-86-4   | n-butyl acetate     |
| 64742-47-8 | Mineral Spirits     |
| 110-19-0   | isobutyl acetate    |
| 67-63-0    | isopropyl alcohol   |
| 100-41-4   | ethyl benzene       |
| 108-65-6   | PM acetate          |

**Proposition 65****Chemicals known to cause cancer:**

None of the ingredients in this product are listed.

**Chemicals known to cause reproductive toxicity:**

|          |         |
|----------|---------|
| 108-88-3 | toluene |
|----------|---------|

**Carcinogenicity categories:****EPA (Environmental Protection Agency)**

Carcinogenicity Categories:

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).

|           |                       |   |
|-----------|-----------------------|---|
| 67-64-1   | acetone               | D |
| 108-88-3  | toluene               | D |
| 1330-20-7 | xylene (mix)          | D |
| 110-19-0  | isobutyl acetate      | D |
| 100-41-4  | ethyl benzene         | D |
| 557-05-1  | zinc distearate, pure | D |

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

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.

|            |                   |    |
|------------|-------------------|----|
| 13463-67-7 | titanium dioxide  | 3  |
| 108-88-3   | toluene           | 3  |
| 1330-20-7  | xylene (mix)      | 3  |
| 67-63-0    | isopropyl alcohol | 3  |
| 1333-86-4  | Carbon black      | 2B |

**NTP (National Toxicology Program)**

None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH)**

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 |
| 13463-67-7 | titanium dioxide | A4 |
| 108-88-3   | toluene          | A4 |
| 1330-20-7  | xylene (mix)     | A4 |
| 64-17-5    | ethyl alcohol    | A4 |
| 110-19-0   | isobutyl acetate | A4 |
| 1333-86-4  | Carbon black     | A4 |

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7 titanium dioxide

1333-86-4 Carbon black

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| II    | 10.1       |
| III   | 57.4       |
| NK    | 5.8        |

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**Trade name:** SPRUCE LIGHT GRAY PRIMER

**Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

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**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.

**Department issuing MSDS:** Technical Services

**Contact:** Craig Swafford

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