

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/05/2011

Revised On 01/05/2011

## 1 Identification of the substance and manufacturer

**Trade name:** GOOD GRIP BLACK  
**Product code:** 0000160083  
**Manufacturer/Supplier:** SEYMOUR OF SYCAMORE  
 917 Crosby Avenue  
 Sycamore, IL 60178  
 (815)-895-9101, www.seymourpaint.com  
**Emergency telephone number:** CHEMTEL 1-800-255-3924, 813-248-0585 \*if located outside the U.S.\*



## 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	31.91%
74-98-6	propane	13.87%
106-97-8	n-butane	8.15%
1330-20-7	xylene (mix)	7.08%
108-65-6	PM acetate	5.94%
108-10-1	methyl isobutyl ketone	5.17%
1317-65-3	Calcium Carbonate	3.94%
112926-00-8	Silicon Dioxide	1.83%
100-41-4	ethyl benzene	1.77%

## 3 Hazards identification

**Hazard Information:** Extremely flammable liquid and vapor. Keep away from heat, sparks, and flame. Has narcotizing effect.

**Risk phrases:** Extremely flammable.  
Irritating to eyes and respiratory system.  
Vapours may cause drowsiness and dizziness

**Safety phrases:** Keep 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  
If swallowed, seek medical advice immediately and show this container or label.  
Use only in well-ventilated areas.

**Special precautions:** Do not spray on a naked flame or any incandescent material.  
Buildup of explosive mixtures possible without sufficient ventilation.

**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

**HMSI-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.  
**After swallowing:** Contact physician or poison control center.

## 5 Firefighting measures

**Extinguishing agents:** CO2, sand, extinguishing powder, or water spray.  
**Special hazards:** No further relevant information available.  
**Protective equipment:** No special measures required.

## 6 Accidental release measures

**Personal safety procedures:** Wear protective equipment. Keep unprotected persons away.  
**Environmental precautions:** Do not allow product to reach sewage systems or ground water.  
**Additional precautions:** Ensure adequate ventilation.

## 7 Handling and storage

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

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**74-98-6 propane**

REL 1800 mg/m<sup>3</sup>, 1000 ppm  
 REL 1800 mg/m<sup>3</sup>, 1000 ppm  
 TLV Varies mg/m<sup>3</sup>, 1000 ppm

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

REL 1900 mg/m<sup>3</sup>, 800 ppm  
 TLV Varies mg/m<sup>3</sup>, 1000 ppm

**1330-20-7 xylene (mix)**

REL 435 mg/m<sup>3</sup>, 100 ppm  
 REL Short-term value: 655 mg/m<sup>3</sup>, 150 ppm  
 Long-term value: 435 mg/m<sup>3</sup>, 100 ppm  
 TLV Short-term value: 651 mg/m<sup>3</sup>, 150 ppm  
 Long-term value: 434 mg/m<sup>3</sup>, 100 ppm  
 BEI

**108-65-6 PM acetate**

WEEL 50 ppm

**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) 82 mg/m<sup>3</sup>, (50) NIC-20 ppm  
 (BEI);NIC-A3

**112926-00-8 Silicon Dioxide**

TLV Short-term value: 6 mg/m<sup>3</sup>  
 Long-term value: 10 mg/m<sup>3</sup>

**100-41-4 ethyl benzene**

REL 435 mg/m<sup>3</sup>, 100 ppm  
 REL Short-term value: 545 mg/m<sup>3</sup>, 125 ppm  
 Long-term value: 435 mg/m<sup>3</sup>, 100 ppm  
 TLV Short-term value: 543 mg/m<sup>3</sup>, 125 ppm  
 Long-term value: (434) NIC-217 mg/m<sup>3</sup>, (100) NIC-50 ppm  
 BEI, NIC-A3

**Hygienic protection:**

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 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 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**

**Odor:** Aromatic  
**pH-value:** Not determined.  
**Boiling point:** -44°C (-47°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:** 1.7 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:** 507.7 g/l / 4.24 lb/gl  
**VOC content (less exempt solvents):** 43.9 %  
**MIR Value:** GOOD  
**Solids content:** 24.2 %  
**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 reactions:** No dangerous reactions known.  
**Hazardous decomposition:** No dangerous decomposition products known.

**11 Toxicological information**

**Skin effects:** No irritant effect.  
**Eye effects:** Irritating effect.  
**Sensitization:** No sensitizing effects known.

**12 Ecological information**

**Aquatic toxicity:** Hazardous for water, do not empty into drains.  
**Other information:** This product does not contain any chlorofluorocarbons (CFC's), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), or chlorinated solvents.

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Trade name: GOOD GRIP BLACK

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## 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:** Completely empty cans should be recycled.

## 14 Transport information

**Hazard class:** 2.1  
**Identification number:** N/A  
**Label:** 2.1  
**ADR/RID/TDG 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  
**Special marking:** Consumer Commodity ORM-D

## 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):

1330-20-7	xylene (mix)
108-10-1	methyl isobutyl ketone
100-41-4	ethyl benzene

**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:

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

### CANADIAN ENVIRONMENTAL PROTECTION ACT:

#### WHMIS Symbols for Canada:

All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

A - Compressed gas  
 D2B - Toxic material causing other toxic effects



#### Canadian WHMIS:

**EPA:** D2A  
 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).  
 I: 'Data are inadequate for an assessment of human carcinogeni potential.'  
 II: 'Inadequate information to assess carcinogenic potential.'

67-64-1	Acetone	I
1330-20-7	xylene (mix)	I
108-10-1	methyl isobutyl ketone	I
100-41-4	ethyl benzene	D

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

1330-20-7	xylene (mix)	3
9002-88-4	Shamrock texture 5384W 55 mic.	3
100-41-4	ethyl benzene	2B

**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
1330-20-7	xylene (mix)	A4
100-41-4	ethyl benzene	A3

### NIOSH:

1333-86-4	Carbon black
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#### Hazard symbols:



Irritant  
 Extremely flammable

## 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  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 ISO: International Organization for Standardization

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 USA

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**Trade name: GOOD GRIP BLACK**

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

USA

# Material Safety Data Sheet

acc. to ISO/DIS 11014

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## 1 Identification of the substance and manufacturer

**Trade name:** GOOD GRIP CLEAR  
**Product code:** 0000160081  
**Manufacturer/Supplier:** SEYMOUR OF SYCAMORE  
 917 Crosby Avenue  
 Sycamore, IL 60178  
 (815)-895-9101, www.seymourpaint.com



**Emergency telephone number:** CHEMTEL 1-800-255-3924, 813-248-0585 \*if located outside the U.S.\*

## 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	38.37%
74-98-6	propane	13.87%
1330-20-7	xylene (mix)	9.36%
106-97-8	n-butane	8.15%
108-10-1	methyl isobutyl ketone	6.22%
100-41-4	ethyl benzene	2.34%
108-65-6	PM acetate	1.92%
1317-65-3	Calcium Carbonate	1.58%

## 3 Hazards identification

**Hazard Information:** Extremely flammable liquid and vapor. Keep away from heat, sparks, and flame.  
Has narcotizing effect.

**Risk phrases:** Extremely flammable.  
Harmful by inhalation.  
Irritating to eyes and respiratory system.

**Safety phrases:** Keep 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  
If swallowed, seek medical advice immediately and show this container or label.  
Use only in well-ventilated areas.

**Special precautions:** Do not spray on a naked flame or any incandescent material.  
Buildup of explosive mixtures possible without sufficient ventilation.

**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

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

## 4 First aid measures

**General information:** Symptoms of poisoning may occur even after several hours. Medical observation for at least 48 hours after the accident is recommended.

**After inhalation:** Supply fresh air. If necessary, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

**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.

**After swallowing:** Contact physician or poison control center.

## 5 Firefighting measures

**Extinguishing agents:** CO2, sand, extinguishing powder, or water spray.

**Special hazards:** No further relevant information available.

**Protective equipment:** A respiratory protective device may be necessary.

## 6 Accidental release measures

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

**Environmental precautions:** Do not allow product to reach sewage systems or ground water.

**Additional precautions:** Ensure adequate ventilation.

## 7 Handling and storage

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

**Storage requirements:** 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

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**Trade name: GOOD GRIP CLEAR**

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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

**74-98-6 propane**

PEL	1800 mg/m <sup>3</sup> , 1000 ppm
REL	1800 mg/m <sup>3</sup> , 1000 ppm
TLV	Varies mg/m <sup>3</sup> , 1000 ppm

**1330-20-7 xylene (mix)**

PEL	435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

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

REL	1900 mg/m <sup>3</sup> , 800 ppm
TLV	Varies mg/m <sup>3</sup> , 1000 ppm

**108-10-1 methyl isobutyl ketone**

PEL	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) 82 mg/m <sup>3</sup> , (50) NIC-20 ppm (BEI);NIC-A3

**100-41-4 ethyl benzene**

PEL	435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 543 mg/m <sup>3</sup> , 125 ppm Long-term value: (434) NIC-217 mg/m <sup>3</sup> , (100) NIC-50 ppm BEI, NIC-A3

**108-65-6 PM acetate**

WEEL	50 ppm
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**Hygienic protection:**

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 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 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**

<b>Odor:</b>	Aromatic
<b>pH-value:</b>	Not determined.
<b>Boiling point:</b>	-44°C (-47°F)
<b>Flash point:</b>	-19°C (-2°F)
<b>Auto igniting:</b>	Product is not self-igniting.
<b>Danger of explosion:</b>	Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 degrees fahrenheit. In use, may form flammable/explosive vapour-air mixture.
<b>Lower Explosion Limit:</b>	1.7 Vol %
<b>Upper Explosion Limit:</b>	10.9 Vol %
<b>Vapor Pressure:</b>	40 PSI, 2750 hPa
<b>Specific Gravity:</b>	Between 0.77 and 0.85 (Water equals 1.00)
<b>VOC content:</b>	520.0 g/l / 4.34 lb/gl
<b>VOC content (less exempt solvents):</b>	42.8 %
<b>MIR Value:</b>	1.47
<b>Solids content:</b>	18.8 %
<b>Other information</b>	No further relevant information available.

**10 Stability and reactivity**

<b>Conditions to avoid:</b>	Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.
<b>Hazardous reactions:</b>	No dangerous reactions known.
<b>Hazardous decomposition:</b>	No dangerous decomposition products known.

**11 Toxicological information**

<b>Skin effects:</b>	No irritant effect.
<b>Eye effects:</b>	Irritating effect.
<b>Sensitization:</b>	No sensitizing effects known.

**12 Ecological information**

<b>Aquatic toxicity:</b>	Hazardous for water, do not empty into drains.
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**Trade name: GOOD GRIP CLEAR****Other information:**

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

**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:** Completely empty cans should be recycled.

**14 Transport information**

**Hazard class:** 2.1  
**Identification number:** N/A  
**Label:** 2.1  
**ADR/RID/TDG 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  
**Special marking:** Consumer Commodity ORM-D

**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):**

1330-20-7	xylene (mix)
108-10-1	methyl isobutyl ketone
100-41-4	ethyl benzene

**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:**

100-41-4 ethyl benzene

**CANADIAN ENVIRONMENTAL PROTECTION ACT:****WHMIS Symbols for Canada:**

All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

A - Compressed gas  
 D2B - Toxic material causing other toxic effects

**Canadian WHMIS:**

**EPA:** D2A  
 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).  
 I: 'Data are inadequate for an assessment of human carcinogeni potential.'  
 II: 'Inadequate information to assess carcinogenic potential.'

67-64-1	Acetone	I
1330-20-7	xylene (mix)	I
108-10-1	methyl isobutyl ketone	I
100-41-4	ethyl benzene	D

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

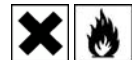
1330-20-7	xylene (mix)	3
100-41-4	ethyl benzene	2B
9002-88-4	Shamrock texture 5384W 55 mic.	3

**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
1330-20-7	xylene (mix)	A4
100-41-4	ethyl benzene	A3

**NIOSH:**

The following substances are regulated in the United States with reference to occupational exposure limits:

**Hazard symbols:**

Harmful  
 Extremely flammable

**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(Contd. on page 4)  
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**Trade name: GOOD GRIP CLEAR**

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

USA



# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/05/2011

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## 1 Identification of the substance and manufacturer

**Trade name:** GOOD GRIP YELLOW  
**Product code:** 0000160089  
**Manufacturer/Supplier:** SEYMOUR OF SYCAMORE  
 917 Crosby Avenue  
 Sycamore, IL 60178  
 (815)-895-9101, www.seymourpaint.com



**Emergency telephone number:** CHEMTEL 1-800-255-3924, 813-248-0585 \*if located outside the U.S.\*

## 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	31.9%
74-98-6	propane	13.87%
108-88-3	Toluene	8.76%
106-97-8	n-butane	8.15%
64742-47-8	Mineral Spirits	7.79%
108-65-6	PM acetate	4.15%
13463-67-7	titanium dioxide	3.68%
2807-30-9	Glycol Ether EP	3.05%
82199-12-0	Novaperm Yellow Pigment	1.94%
96-29-7	2-butanone oxime	0.1%

## 3 Hazards identification

**Hazard Information:** Extremely flammable liquid and vapor. Keep away from heat, sparks, and flame.  
Has narcotizing effect.

**Risk phrases:** Extremely flammable.  
Irritating to eyes.  
Possible risk of harm to the unborn child

**Safety phrases:** Keep 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.  
Use only in well-ventilated areas.

**Special precautions:** The International Agency for Research on Cancer has evaluated ethylbenzene and classified it 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.  
Do not spray on a naked flame or any incandescent material.  
Buildup of explosive mixtures possible without sufficient ventilation.

**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.  
**After swallowing:** Contact physician or poison control center.

## 5 Firefighting measures

**Extinguishing agents:** CO2, sand, extinguishing powder, or water spray.  
**Special hazards:** No further relevant information available.  
**Protective equipment:** No special measures required.

## 6 Accidental release measures

**Personal safety procedures:** Wear protective equipment. Keep unprotected persons away.  
**Environmental precautions:** Do not allow product to reach sewage systems or ground water.  
**Additional precautions:** Ensure adequate ventilation.

## 7 Handling and storage

**Fire/explosion protection:** Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges.  
**Storage requirements:** Observe pressurized container storage regulations. Consult with your local authorities.

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/05/2011

Revised On 01/05/2011

Trade name: GOOD GRIP YELLOW

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## 8 Exposure controls/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	

#### 74-98-6 propane

PEL	1800 mg/m <sup>3</sup> , 1000 ppm
REL	1800 mg/m <sup>3</sup> , 1000 ppm
TLV	Varies mg/m <sup>3</sup> , 1000 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 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
TLV	75 mg/m <sup>3</sup> , 20 ppm NIC-BEI

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

REL	1900 mg/m <sup>3</sup> , 800 ppm
TLV	Varies mg/m <sup>3</sup> , 1000 ppm

#### 108-65-6 PM acetate

WEEL	50 ppm
------	--------

#### Hygienic protection:

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 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 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

Odor:	Aromatic
pH-value:	Not determined.
Boiling point:	-44°C (-47°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:	1.7 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:	526.6 g/l / 4.39 lb/gl
VOC content (less exempt solvents):	46.2 %
MIR Value:	GOOD
Solids content:	21.8 %
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 reactions:	No dangerous reactions known.
Hazardous decomposition:	No dangerous decomposition products known.

## 11 Toxicological information

Skin effects:	No irritant effect.
Eye effects:	Irritating effect.
Sensitization:	No sensitizing effects known.

## 12 Ecological information

Aquatic toxicity:	Hazardous for water, do not empty into drains.
Other information:	This product does not contain any chlorofluorocarbons (CFC's), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), or chlorinated solvents.

## 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:	Completely empty cans should be recycled.

# Material Safety Data Sheet

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## 14 Transport information

**Hazard class:** 2.1  
**Identification number:** N/A  
**Label:** 2.1  
**ADR/RID/TDG 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  
**Special marking:** Consumer Commodity ORM-D

## 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

**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:

100-41-4 ethyl benzene

### California Proposition 65 chemicals known to cause developmental toxicity: CANADIAN ENVIRONMENTAL PROTECTION ACT: WHMIS Symbols for Canada:

108-88-3 Toluene

All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

A - Compressed gas  
 D2A - Very toxic material causing other toxic effects



**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).  
 I: 'Data are inadequate for an assessment of human carcinogeni potential.'  
 II: 'Inadequate information to assess carcinogenic potential.'

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

108-88-3 Toluene

3

13463-67-7 titanium dioxide

2B

9002-88-4 Shamrock texture 5384W 55 mic.

3

**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

108-88-3 Toluene

A4

13463-67-7 titanium dioxide

A4

### NIOSH:

13463-67-7 titanium dioxide

### Hazard symbols:



Harmful  
Extremely flammable

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