



## SAFETY DATA SHEET

SCIGRIP® SG5000-13 AMBER

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Compilation date: 05/04/2011

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Revision No: 9

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name:** SCIGRIP® SG5000-13 AMBER

**Product code:** SG5000-13-A

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance / mixture:** PC1: Adhesives, sealants.

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** Scigrip Adhesives Ltd

Unit 22 Bentall Business Park

Glover Road

Washington

Tyne & Wear

NE37 3JD

England

**Tel:** +44(0)191 419 6444

**Fax:** +44(0)191 419 6445

**Email:** [technical.supportuk@scigrip.com](mailto:technical.supportuk@scigrip.com)

#### 1.4. Emergency telephone number

**Emergency tel:** CHEMTEL Tel: 813-248-0573 (International)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CLP:** Flam. Liq. 2: H225; STOT SE 3: H335; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1A: H317

**Most important adverse effects:** Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

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**Hazard pictograms:** GHS02: Flame  
GHS05: Corrosion  
GHS07: Exclamation mark



**Signal words:** Danger

**Precautionary statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261: Avoid breathing vapours.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

### 2.3. Other hazards

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

METHYL METHACRYLATE - REACH registered number(s): 01-2119452498-28-000, 01-2119452498-28-0025, 01-2119452498-28-0028

EINECS	CAS	PBT / WEL	CLP Classification	Percent
201-297-1	80-62-6	-	Flam. Liq. 2: H225; STOT SE 3: H335; Skin Irrit. 2: H315; Skin Sens. 1: H317	50-75%

URETHANE METHACRYLATE OLIGOMER

-	-	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-5%
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2-METHYLPROPENOIC ACID - REACH registered number(s): 01-2119463884-26-0000

201-204-4	79-41-4	-	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314	1-5%
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3,5-DIETHYL-1,2-DIHYDRO-1-PHENYL-2-PROPYLPYRIDINE

252-091-3	34562-31-7	-	Acute Tox. 4: H302+H312; Aquatic Chronic 4: H413; Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-5%
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P TOLUENE SULPHONYL CHLORIDE

202-684-8	98-59-9	-	Met. Corr. 1: H290; Skin Irrit. 2: H315; Eye Dam. 1: H318; Skin Sens. 1A: H317	1-5%
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2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL PHENOL

204-881-4	128-37-0	-	Aquatic Acute 1: H400; Aquatic Chronic 1: H410	<1%
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CUMENE HYDROPEROXIDE

201-254-7	80-15-9	-	Org. Perox. EF: H242; Acute Tox. 3: H331; Acute Tox. 4: H312; Acute Tox. 4: H302; STOT RE 2: H373; Skin Corr. 1B: H314; Aquatic Chronic 2: H411	<1%
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**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

**4.2. Most important symptoms and effects, both acute and delayed**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

**Section 5: Fire-fighting measures**

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**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** In combustion emits toxic fumes.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

**7.3. Specific end use(s)**

**Specific end use(s):** PC1: Adhesives, sealants.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

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**Hazardous ingredients:**

**METHYL METHACRYLATE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	203mg/m3	416mg/m3	-	-

**2-METHYLPROPENOIC ACID**

UK	72 mg/m3	143 mg/m3	-	-
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**P TOLUENE SULPHONYL CHLORIDE**

UK	-	5mg/m3	-	-
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**2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL PHENOL**

UK	10 mg/m3	-	-	-
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**DNEL/PNEC Values**

**Hazardous ingredients:**

**METHYL METHACRYLATE**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	210mg/m3	Workers	Systemic
DNEL	Dermal	74.3 mg/m3	Workers	Systemic
PNEC	Water	0.94 mg/l	-	-

**2-METHYLPROPENOIC ACID**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	88mg/m3	Workers	Local
DNEL	Dermal	4.25mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	29.6mg/m3	Workers	Systemic
DNEL	-	360mg/m3 100ppm	Workers	Short term
PNEC	Fresh water	0.82mg/l	Workers	-
PNEC	Marine water	0.82mg/l	Workers	-
PNEC	Sewage treatment plant (STP)	10mg/l	Workers	-
PNEC	Soil (agricultural)	1.2mg/kg	Workers	-

**2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL PHENOL**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	3.5	Workers	Systemic

**CUMENE HYDROPEROXIDE**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	6 mg/m3	Workers	Systemic

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### 8.2. Exposure controls

- Engineering measures:** Ensure there is sufficient ventilation of the area.
- Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.
- Hand protection:** Protective gloves.
- Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.
- Skin protection:** Protective clothing.
- Environmental:** Avoid release to the environment.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- State:** Liquid
- Colour:** Amber
- Odour:** Characteristic odour
- Viscosity:** Viscous
- Flash point°C:** 15 **Relative density:** 0.97

### 9.2. Other information

**Other information:** Flammability based on data for methyl methacrylate

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Avoid extreme temperatures, open flames, sparks, and direct sunlight. Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

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**Hazardous ingredients:**

**METHYL METHACRYLATE**

DERMAL	RBT	LD50	>5000	mg/kg
INHALATION	RAT	4H LC50	29.8	mg/l
ORAL	RAT	LD50	>5000	mg/kg

**2-METHYLPROPENOIC ACID**

DERMAL	RBT	LD50	500-1000	mg/kg
ORAL	RAT	LD50	1320	mg/kg
VAPOURS	RAT	1H LC50	7.1	mg/l

**3,5-DIETHYL-1,2-DIHYDRO-1-PHENYL-2-PROPYLPYRIDINE**

DERMAL	RBT	LD50	>1000	mg/kg
ORAL	RAT	LD50	>500	mg/kg

**P TOLUENE SULPHONYL CHLORIDE**

ORAL	RAT	LD50	4680	mg/kg
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**2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL PHENOL**

DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2930	mg/kg

**CUMENE HYDROPEROXIDE**

ORL	MUS	LDLO	5	gm/kg
ORL	RAT	LD50	382	mg/kg
SCU	RAT	LD50	382	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	-	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

[cont...]

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**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

#### METHYL METHACRYLATE

DAPHNIA MAGNA	48H EC50	69	mg/l
GREEN ALGA ( <i>Selenastrum capricornutum</i> )	72H EC50	>110	mg/l
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	>79	mg/l

#### 2-METHYLPROPENOIC ACID

Daphnia magna	48H EC50	>130	mg/l
GREEN ALGA ( <i>Selenastrum capricornutum</i> )	96H ErC50	45	mg/l
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	85	mg/l

#### P TOLUENE SULPHONYL CHLORIDE

Daphnia magna	48H EC50	70	mg/l
FISH	96H LC50	>100	mg/l
GREEN ALGA ( <i>Selenastrum capricornutum</i> )	72H ErC50	>100	mg/l
ZEBRAFISH ( <i>Brachydanio rerio</i> )	96H LC50	>100	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

### 12.4. Mobility in soil

**Mobility:** No data available.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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**Section 14: Transport information**

**14.1. UN number**

UN number: UN1133

**14.2. UN proper shipping name**

Shipping name: ADHESIVES

**14.3. Transport hazard class(es)**

Transport class: 3

**14.4. Packing group**

Packing group: II

**14.5. Environmental hazards**

Environmentally hazardous: No

Marine pollutant: No

**14.6. Special precautions for user**

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 2

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Specific regulations:** This product is a Seveso category/named substance in Annex I of Council Directive 96/82/EC.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

Methacrylates have a perceptible or distinctive odour to which the human nose is very sensitive even when well below the TLV limits. The smell can be identified well below ranges of less than 0.5 ppm parts per million in a well-ventilated area.

ABBREVIATIONS

PBT - Persistent Bioaccumulative Toxic

VOC - Volatile Organic Content

STP - Sewage Treatment Plant

[cont...]

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LC50 - Lethal Concentration 50%  
LD50 - Lethal Dose 50%  
PNEC - Predicted No Effect Concentration  
DNEL - Derived No Effect Level  
RBT - Rabbit  
MUS - Mouse  
INH - Inhalation  
DRM - Dermal  
ORL - Oral  
OPT - Ophthalmic

**Phrases used in s.2 and s.3:** H225: Highly flammable liquid and vapour.  
H242: Heating may cause a fire.  
H290: May be corrosive to metals.  
H302: Harmful if swallowed.  
H302+H312: Harmful if swallowed or in contact with skin  
H312: Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H331: Toxic if inhaled.  
H335: May cause respiratory irritation.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H411: Toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.  
H413: May cause long lasting harmful effects to aquatic life.

**Legal disclaimer:** This company shall not be held liable for any damage resulting from handling or from contact with the above product.