



## SAFETY DATA SHEET

SCIGRIP® SG5000-03 AMBER

Page: 1

Compilation date: 10/03/2011

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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® SG5000-03 AMBER

**Product code:** SG5000-03-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:** [sds-europe@ipscorp.com](mailto:sds-europe@ipscorp.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. 1: 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.

[cont...]

**SAFETY DATA SHEET**  
SCIGRIP® SG5000-03 AMBER

Page: 2

**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

934-766-0	-	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-5%
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METHACRYLIC ACID EU - REACH registered number(s): 01-2119463884-26-0000

201-204-4	79-41-4	-	Acute Tox. 4: H302; Skin Corr. 1A: H314; STOT SE 3: H335; Acute Tox. 4: H312	1-5%
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**SAFETY DATA SHEET**  
SCIGRIP® SG5000-03 AMBER

Page: 3

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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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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LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDRODESULPHURIZED HEAVY

265-185-4	64742-82-1	-	STOT RE 1: H372; Asp. Tox. 1: H304	<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. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

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

**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 irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**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**

**5.1. Extinguishing media**

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

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**SAFETY DATA SHEET**  
SCIGRIP® SG5000-03 AMBER

Page: 4

**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:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. 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. Do not handle in a confined space. 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. The floor of the storage room must be impermeable to prevent the escape of liquids.

**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**

[cont...]

**SAFETY DATA SHEET**  
SCIGRIP® SG5000-03 AMBER

Page: 5

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	208 mg/m <sup>3</sup>	416 mg/m <sup>3</sup>	-	-

**Hazardous ingredients:**

**METHYL METHACRYLATE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	203mg/m <sup>3</sup>	416mg/m <sup>3</sup>	-	-

**METHACRYLIC ACID EU**

UK	20	40	-	-
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**2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL PHENOL**

UK	10 mg/m <sup>3</sup>	-	-	-
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**DNEL/PNEC Values**

**Hazardous ingredients:**

**METHYL METHACRYLATE**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	210mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	74.3 mg/m <sup>3</sup>	Workers	Systemic
PNEC	Water	0.94 mg/l	-	-

**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/m <sup>3</sup>	Workers	Systemic

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Section 9: Physical and chemical properties**

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**SAFETY DATA SHEET**  
SCIGRIP® SG5000-03 AMBER

Page: 6

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

<b>State:</b> Liquid	
<b>Colour:</b> Amber	
<b>Odour:</b> Characteristic odour	
<b>Evaporation rate:</b> 3.1 (relative)*	
<b>Oxidising:</b> No data available.	
<b>Solubility in water:</b> No data available.	
<b>Viscosity:</b> Viscous	
<b>Boiling point/range°C:</b> 100.5*	<b>Melting point/range°C:</b> -48*
<b>Flammability limits %: lower:</b> 2.1*	<b>upper:</b> 12.5*
<b>Flash point°C:</b> 12	<b>Part.coeff. n-octanol/water:</b> No data available.
<b>Autoflammability°C:</b> 430*	<b>Vapour pressure:</b> 53hPa (@20°C)*
<b>Relative density:</b> 0.97	<b>pH:</b> No data available.
<b>VOC g/l:</b> <50	

**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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**SAFETY DATA SHEET**  
SCIGRIP® SG5000-03 AMBER

Page: 7

**Hazardous ingredients:**

**METHYL METHACRYLATE**

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

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

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

**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	DRM	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 irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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

**Section 12: Ecological information**

**12.1. Toxicity**

[cont...]

**SAFETY DATA SHEET**  
SCIGRIP® SG5000-03 AMBER

Page: 8

**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

**METHACRYLIC ACID EU**

GREEN ALGA ( <i>Selenastrum capricornutum</i> )	72H IC50	0.59	mg/l
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	85	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.

**Disposal of packaging:** Dispose of as normal industrial waste.

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

**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

[cont...]



**SAFETY DATA SHEET**  
SCIGRIP® SG5000-03 AMBER

Page: 9

**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

LC50 - Lethal Concentration 50%

LD50 - Lethal Dose 50%

PNEC - Predicted No Effect Concentration

DNEL - Derived No Effect Level

OPT - Ophthalmic

RBT - Rabbit

MUS - Mouse

INH - Inhalation

DRM - Dermal

[cont...]

**SAFETY DATA SHEET**  
SCIGRIP® SG5000-03 AMBER

Page: 10

ORL - Oral

ppm - parts per million

**Phrases used in s.2 and s.3:** H225: Highly flammable liquid and vapour.  
H242: Heating may cause a fire.  
H302: Harmful if swallowed.  
H302+H312: Harmful if swallowed or in contact with skin  
H304: May be fatal if swallowed and enters airways.  
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.  
H372: Causes damage to organs through prolonged or repeated exposure.  
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.