



SAFETY DATA SHEET

SCIGRIP® SG300-15 BLACK

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Compilation date: 19/09/2011

Revision date: 07/05/2015

Revision No: 7

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

1.1. Product identifier

Product name: SCIGRIP® SG300-15 BLACK

Product code: SG300-15BK

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

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 CHIP: F: R11; C: R34; Xi: R37; Sens.: R43; -: R52/53

Classification under CLP: Flam. Liq. 2: H225; Skin Corr. 1A: H314; Skin Sens. 1: H317; STOT SE 3: H335; Aquatic Chronic 3: H412; Eye Dam. 1: H318; -: EUH208

Most important adverse effects: Highly flammable. Causes burns. Irritating to respiratory system. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Label elements:

Hazard statements: H225: Highly flammable liquid and vapour.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

[cont...]

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H412: Harmful to aquatic life with long lasting effects.

EUH208: Contains rosin. May produce an allergic reaction.

Signal words: Danger

Hazard pictograms: GHS02: Flame

GHS05: Corrosion

GHS07: Exclamation mark



Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261: Avoid breathing vapour.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+313: If skin irritation or rash occurs: Get medical advice/attention.

Label elements under CHIP:

Hazard symbols: Highly flammable.

Corrosive.



Risk phrases: R11: Highly flammable.

R34: Causes burns.

R37: Irritating to respiratory system.

R43: May cause sensitisation by skin contact.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29: Do not empty into drains.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Precautionary phrases: Contains rosin. May produce an allergic reaction.

[cont...]

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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	CHIP Classification	CLP Classification	Percent
201-297-1	80-62-6	F: R11; Xi: R37/38; Sens.: R43	Flam. Liq. 2: H225; STOT SE 3: H335; Skin Irrit. 2: H315; Skin Sens. 1: H317	30-50%

METHACRYLIC ACID EU - REACH registered number(s): 01-2119463884-26-0000

201-204-4	79-41-4	Xn: R21/22; C: R35	Acute Tox. 4: H302; Skin Corr. 1A: H314; STOT SE 3: H335; Acute Tox. 4: H312	1-10%
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DIBENZOYL PEROXIDE

202-327-6	94-36-0	E: R3; O: R7; Xi: R36; Sens.: R43	Skin Sens. 1: H317; Org. Perox. B: H241; Eye Irrit. 2: H319	1-10%
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METHACRYLATE CO-POLYMER

-	-	Xi: R36/37/38; Sens.: R43	Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335; Skin Sens. 1: H317	1-10%
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N,N-DIHYDROXYETHYL-P-TOLUIDINE

221-359-1	3077-12-1	Xn: R22; Xi: R41	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%
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STYRENE

202-851-5	100-42-5	-: R10; Xn: R20; Xi: R36/38; Xn: R48/20; Xn: R63	Flam. Liq. 3: H226; Repr. 2: H361d; Acute Tox. 4: H332; STOT RE 1: H372; Skin Irrit. 2: H315; Eye Irrit. 2: H319	<1%
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ROSIN

232-475-7	8050-09-7	Sens.: R43	Skin Sens. 1: H317	<1%
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TRIZINC BIS(ORTHOPHOSPHATE)

231-944-3	7779-90-0	N: R50/53	Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<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.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

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Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

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. 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. Nausea and stomach pain may occur. There may be vomiting.

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: Not applicable.

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.

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.

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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

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	-	-

METHACRYLIC ACID EU

UK	20	40	-	-
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DIBENZOYL PEROXIDE

UK	5 mg/m3	-	-	-
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STYRENE

UK	430 mg/m3	1080 mg/m3	-	-
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ROSIN

UK	0.05 mg/m3	0.15 mg/m3	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

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: Impermeable gloves.

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

Skin protection: Impermeable protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Black

Viscosity: Highly viscous

Boiling point/range°C: 100.5

Flash point°C: 15

Relative density: ~1.02

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: 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

Hazardous ingredients:

METHYL METHACRYLATE

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

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ORAL	RAT	LD50	>5000	mg/kg
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DIBENZOYL PEROXIDE

ORAL	RAT	LD50	>5000	mg/kg
VAPOURS	RAT	LC0	>24.3	mg/kg

N,N-DIHYDROXYETHYL-P-TOLUIDINE

ORAL	RAT	LD50	960	mg/kg
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STYRENE

IVN	MUS	LD50	90	mg/kg
ORL	MUS	LD50	316	mg/kg
ORL	RAT	LD50	2650	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Irritation	INH	Hazardous: calculated
Corrosivity	OPT INH DRM	Hazardous: calculated
Sensitisation	DRM	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. Nausea and stomach pain may occur. There may be vomiting.

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 (Selenastrum capricornutum)	72H EC50	>110	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>79	mg/l

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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

DIBENZOYL PEROXIDE

BACTERIA	EC50	35	mg/l
DAPHNIA MAGNA	48H EC50	0.11	mg/l
POCHILIA RETICULATA	96H LC50	0.06	mg/l
PSEUDOKIRCHNERIELLA SUBCAPITATA	72H EC50	0.06	mg/l

N,N-DIHYDROXYETHYL-P-TOLUIDINE

PSEUDOMONAS	EC50	>500	mg/l
ZEBRAFISH (<i>Brachydanio rerio</i>)	96H LC50	>100	mg/l

12.2. Persistence and degradability

Persistence and degradability: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

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: Toxic to aquatic organisms. Toxic to soil organisms.

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.

Section 14: Transport information

14.1. UN number

UN number: UN2924

14.2. UN proper shipping name

Shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.
(mixture containing: METHYL METHACRYLATE; METHACRYLIC ACID)

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14.3. Transport hazard class(es)

Transport class: 3 (8)

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 453/2010.

* 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

VOC - Volatile Organic Content

PBT - Persistent Bioaccumulative Toxic

DNEL - Derived No Effect Level

LC50 - Lethal Concentration 50%

PNEC - Predicted No Effect Concentration

LD50 - Lethal Dose 50%

STP - Sewage Treatment Plant

DRM - Dermal

INH - Inhalation

IVN - Intravenous

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OPT - Ophthalmic

MUS - Mouse

RBT - Rabbit

ORL - Oral

Phrases used in s.2 and s.3: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H241: Heating may cause a fire or explosion.

H302: Harmful if swallowed.

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.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H361d: Suspected of damaging the unborn child.

H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

R3: Extreme risk of explosion by shock, friction, fire or other sources of ignition.

R7: May cause fire.

R10: Flammable.

R11: Highly flammable.

R20: Harmful by inhalation.

R21/22: Harmful in contact with skin and if swallowed.

R22: Harmful if swallowed.

R34: Causes burns.

R35: Causes severe burns.

R36/37/38: Irritating to eyes, respiratory system and skin.

R36/38: Irritating to eyes and skin.

R36: Irritating to eyes.

R37/38: Irritating to respiratory system and skin.

R37: Irritating to respiratory system.

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through

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inhalation.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R63: Possible risk of harm to the unborn child.

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