



SAFETY DATA SHEET
SCIGRIP® SG300-05 OFF WHITE

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Compilation date: 03/11/2011
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Revision No: 6

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

1.1. Product identifier

Product name: SCIGRIP® SG300-05 OFF WHITE
Product code: SG300-05OW

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 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 liquid and vapour. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Harmful to aquatic life with long lasting effects. Contains rosin, methacrylate co-polymer. May produce an allergic reaction.

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, methacrylate co-polymer. May produce an allergic reaction.

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.

P264: Wash hands thoroughly after handling.

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 .

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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	20-50%

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	5-10%
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DIBENZOYL PEROXIDE

202-327-6	94-36-0	-	Skin Sens. 1: H317; Org. Perox. B: H241; Eye Irrit. 2: H319	1-5%
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METHACRYLATE CO-POLYMER

-	Proprietary	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335; Skin Sens. 1: H317	<1%
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N,N-DIMETHYL-P-TOLUIDINE

202-805-4	99-97-8	-	Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT RE 2: H373; Aquatic Chronic 3: H412	<1%
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STYRENE

202-851-5	100-42-5	-	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	-	Skin Sens. 1: H317	<1%
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TRIZINC BIS(ORTHOPHOSPHATE)

231-944-3	7779-90-0	-	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.

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.

[cont...]

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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.

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.

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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	-	-

2-METHYLPROPENOIC ACID

UK	72 mg/m3	143 mg/m3	-	-
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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

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	-

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PNEC	Sewage treatment plant (STP)	10mg/l	Workers	-
PNEC	Soil (agricultural)	1.2mg/kg	Workers	-

DIBENZOYL PEROXIDE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	39mg/m ³	Workers	Systemic
DNEL	Dermal	13mg/kg bw/day	Workers	Systemic
DNEL	Oral	2mg/kg bw/day	Consumers	Systemic
PNEC	Fresh water	0.02 ug/l	-	-
PNEC	Marine water	0.002 ug/l	-	-
PNEC	Water (intermittent release)	0.602 ug/l	-	-
PNEC	Fresh water sediments	0.013 mg/kg dw	-	-
PNEC	Marine sediments	0.001 mg/kg dw	-	-
PNEC	Soil	0.003 mg/kg dw	-	-
PNEC	Microorganisms in sewage treatment	0.35 mg/l	-	-

N,N-DIMETHYL-P-TOLUIDINE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	1224mg/m ³	-	Systemic
DNEL	Inhalation	1352mg/m ³	-	Systemic

STYRENE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	100mg/m ³	Workers	Systemic
DNEL	Inhalation (repeated dose)	100mg/m ³	Workers	Local
DNEL	Oral (repeated dose)	7.7ug/kg bw/day	General Population	Systemic
DNEL	Inhalation (repeated dose)	1mg/m ³	General Population	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: Impermeable gloves.

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: Off-white

Odour: Characteristic odour

Viscosity: Highly viscous

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Flash point°C: 15
Relative density: 1.02

Autoflammability°C: 421
VOC g/l: 7.12 mixed

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

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

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DIBENZOYL PEROXIDE

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

N,N-DIMETHYL-P-TOLUIDINE

DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	LD50	550	mg/kg
VAPOURS	RAT	4H LC50	1400	mg/m ³

STYRENE

IVN	MUS	LD50	90	mg/kg
ORL	MUS	LD50	316	mg/kg
ORL	RAT	LD50	2650	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. 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 (<i>Selenastrum capricornutum</i>)	72H EC50	>110	mg/l
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	>79	mg/l

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2-METHYLPROPENOIC ACID

Daphnia magna	48H EC50	>130	mg/l
GREEN ALGA (Selenastrum capricornutum)	96H ErC50	45	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	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-DIMETHYL-P-TOLUIDINE

DAPHNIA MAGNA	48H LC50	15.259	mg/l
FISH	96H LC50	32.036	mg/l
GREEN ALGA (Selenastrum capricornutum)	96H EC50	15.481	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.

Section 14: Transport information

14.1. UN number

UN number: UN2924

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14.2. UN proper shipping name

Shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.
(mixture containing: METHYL METHACRYLATE; 2-METHYLPROPENOIC ACID)

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 2015/830.

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

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

IVN - Intravenous

SCU - Subcutaneous

[cont...]

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OPT - Ophthalmic

ING - Ingestion

RBT - Rabbit

MUS - Mouse

IPR - Intraperitoneal

INH - Inhalation

DRM - Dermal

ORL - Oral

Phrases used in s.2 and s.3: EUH208: Contains rosin, methacrylate co-polymer. May produce an allergic reaction.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H241: Heating may cause a fire or explosion.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic 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.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H361d: Suspected of damaging the unborn child.

H372: Causes damage to organs through prolonged or repeated exposure.

H373: May cause damage to organs through prolonged or repeated exposure.

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

H412: Harmful to aquatic life with long lasting effects.

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