



SAFETY DATA SHEET

SCIGRIP® 16 SOLVENT CEMENT FOR BONDING ACRYLICS

Page: 1

Compilation date: 07/01/2014

Revision No: 1

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

1.1. Product identifier

Product name: SCIGRIP® 16 SOLVENT CEMENT FOR BONDING ACRYLICS

Product code: #16

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 Adhesive Ltd
Unit 22 Bental Business Park
Glover Road
Washington
Tyne & Wear
NE37 3JD
England

Tel: +44(0)191 419 6444

Fax: +44(0)191 419 6445

Email: techinca.support@scigrip.com

1.4. Emergency telephone number

Emergency tel: +44(0)191 419 6444
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: F: R11; Xi: R36; Xn: R40; Sens.: R43; -: R66; -: R67

Classification under CLP: Carc. 2: H351; Eye Irrit. 2: H319; Flam. Liq. 2: H225; Skin Sens. 1: H317; STOT SE 3: H336; -: EUH066

Most important adverse effects: Highly flammable. Irritating to eyes. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

2.2. Label elements

Label elements under CLP:

Hazard statements: H351: Suspected of causing cancer.
H319: Causes serious eye irritation.
H225: Highly flammable liquid and vapour.
H317: May cause an allergic skin reaction.

[cont...]

SAFETY DATA SHEET

SCIGRIP® 16 SOLVENT CEMENT FOR BONDING ACRYLICS

Page: 2

H336: May cause drowsiness or dizziness.

EUH066: Repeated exposure may cause skin dryness or cracking.

Signal words: Danger

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard



Precautionary statements: P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261: Avoid breathing vapours.

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

P337+313: If eye irritation persists: Get medical advice/attention.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P403+233: Store in a well-ventilated place. Keep container tightly closed.

P501: Dispose of contents/container to hazardous or special waste collection point.

Label elements under CHIP:

Hazard symbols: Highly flammable.

Harmful.



Risk phrases: R11: Highly flammable.

R36: Irritating to eyes.

R40: Limited evidence of a carcinogenic effect.

R43: May cause sensitisation by skin contact.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S36/37: Wear suitable protective clothing and gloves.

S16: Keep away from sources of ignition - No smoking.

S24/25: Avoid contact with skin and eyes.

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).

S51: Use only in well-ventilated areas.

2.3. Other hazards

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

PBT: This product is not identified as a PBT substance.

[cont...]

SAFETY DATA SHEET

SCIGRIP® 16 SOLVENT CEMENT FOR BONDING ACRYLICS

Page: 3

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

DICHLOROMETHANE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-838-9	75-09-2	Xn: R40	Carc. 2: H351	50-70%

ETHYL METHYL KETONE

201-159-0	78-93-3	F: R11; Xi: R36; -: R66; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	10-30%
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METHYL ACETATE

201-185-2	79-20-9	F: R11; Xi: R36; -: R66; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	1-10%
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METHYL METHACRYLATE - REACH registered number(s): 01-2119452498-28-000, 01-2119452498-28-0025, 01-2119452498-28-0028

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	1-10%
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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

[cont...]

SAFETY DATA SHEET

SCIGRIP® 16 SOLVENT CEMENT FOR BONDING ACRYLICS

Page: 4

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

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. Eliminate all sources of ignition.

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. Do not use equipment in clean-up procedure which may produce sparks.

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. Smoking is forbidden. Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

[cont...]

SAFETY DATA SHEET

SCIGRIP® 16 SOLVENT CEMENT FOR BONDING ACRYLICS

Page: 5

7.3. Specific end use(s)

Specific end use(s): No special requirement.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

DICHLOROMETHANE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	350 mg/m ³	1060 mg/m ³	-	-

ETHYL METHYL KETONE

UK	600 mg/m ³	899 mg/m ³	-	-
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METHYL ACETATE

UK	616 mg/m ³	770 mg/m ³	-	-
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METHYL METHACRYLATE

UK	203mg/m ³	416mg/m ³	-	-
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8.1. DNEL/PNEC Values

Hazardous ingredients:

DICHLOROMETHANE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	132.14mg/m ³	Workers	Systemic
DNEL	Inhalation	5mg/m ³	General Population	Systemic
PNEC	Freshwater	130µg/L	-	-
PNEC	Marine Water	130µg/L	-	-
PNEC	Sediment (Freswater)	163µg/kg	-	-
PNEC	Sediment (Marine Water)	163µg/kg	-	-
PNEC	Soil	173µg/kg	-	-
DNEL	Inhalation	208mg/m ³	Workers	Systemic
DNEL	Dermal	13.67mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	73.4mg/m ³	General Population	Systemic
DNEL	Dermal	8.2mg/kg bw/day	General Population	Systemic
DNEL	Inhalation	208mg/m ³	Workers	Local
DNEL	Dermal	1.5mg/m ²	Workers	Local
DNEL	Inhalation	104mg/m ³	General Population	Local

[cont...]

SAFETY DATA SHEET

SCIGRIP® 16 SOLVENT CEMENT FOR BONDING ACRYLICS

Page: 6

DNEL	Exposure Route	Value	Population	Local
	Dermal	1.5mg/m ²	General Population	
PNEC	Freshwater	0.94mg/l	-	-
PNEC	Marine Water	0.94mg/l	-	-
PNEC	Intermittent Releases	0.94mg/l	-	-
PNEC	STP	10mg/l	-	-
PNEC	Sediment (Freshwater)	5.74mg/kg	-	-
PNEC	Soil	1.47mg/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

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

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Ketonic

Viscosity: Viscous

Boiling point/range°C: >35

Flammability limits %: lower: 1.4 (MEK)

Flash point°C: <21

Vapour pressure: 355 (Methylene Chlor

VOC g/l: <50 mixed

Melting point/range°C: -99 (methyl Acetate)

upper: 22 (Methylene Chlori

Autoflammability°C: 454 (Methyl Acetate)

Relative density: 1.08

9.2. Other information

Other information: No data available.

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. Stable at room temperature.

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.

[cont...]

SAFETY DATA SHEET

SCIGRIP® 16 SOLVENT CEMENT FOR BONDING ACRYLICS

Page: 7

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

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:

DICHLOROMETHANE

DERMAL	RAT	LC50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg
VAPOURS	RAT	LD50	52000	mg/kg

METHYL ACETATE

ORL	RAT	LD50	>5	gm/kg
SCU	RAT	LDLO	8	gm/kg

METHYL METHACRYLATE

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

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT	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.

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.

[cont...]

SAFETY DATA SHEET

SCIGRIP® 16 SOLVENT CEMENT FOR BONDING ACRYLICS

Page: 8

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No 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 substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

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: UN1992

14.2. UN proper shipping name

Shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S.
(Methyl Acetate, Dichloromethane)

14.3. Transport hazard class(es)

Transport class: 3 (6.1)

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

[cont...]

SAFETY DATA SHEET

SCIGRIP® 16 SOLVENT CEMENT FOR BONDING ACRYLICS

Page: 9

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: C/E

Transport category: 1

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.

ABBREVIATIONS

PBT - Persistent Bioaccumulative Toxic

VOC - Volatile Organic Content

STP - Sewage Treatment Plant

LC0 - Maximum Sublethal Concentration

LC50 - Lethal Concentration 50%

LD50 - Lethal Dose 50%

PNEC - Predicted No Effect Concentration

DNEL - Derived No Effect Level

OPT - Ophthalmic

ING - Ingestion

RBT - Rabbit

MUS - Mouse

INH - Inhalation

DRM - Dermal

ORL - Oral

Phrases used in s.2 and 3: EUH066: Repeated exposure may cause skin dryness or cracking.

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

[cont...]

SAFETY DATA SHEET

SCIGRIP® 16 SOLVENT CEMENT FOR BONDING ACRYLICS

Page: 10

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

R11: Highly flammable.

R36: Irritating to eyes.

R37/38: Irritating to respiratory system and skin.

R40: Limited evidence of a carcinogenic effect.

R43: May cause sensitisation by skin contact.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

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