

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Lock screw no. 1

Print date: 31.10.2011

Product code: 150160-2011

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1. Identification of the substance/mixture and of the company/undertaking

Identification of the substance or mixture

Lock screw no. 1

Company/undertaking identification

Company name:	R&G Faserverbundwerkstoffe GmbH	
	Composite Technology	
Street:	Im Meißel 7 - 13	
Place:	D-71111 Waldenbuch	
Post-office box:	1145	
	D-71107 Waldenbuch	
Telephone:	+49-7157-530460	Telefax: +49-7157-530470
e-mail:	info@r-g.de	
Internet:	www.r-g.de	
Responsible Department:	Management	
Emergency telephone:	poison information centre	

2. Hazards identification

Classification

Indications of danger : Irritant

R-phrases:

Irritating to eyes, respiratory system and skin.

May cause sensitization by skin contact.

GHS:

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

May cause respiratory irritation.

Harmful to aquatic life with long lasting effects.

3. Composition/information on ingredients

Chemical characterization (Mixture)

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Hazardous components

EC No.	CAS No.	Chemical name	Quantity
		Classification GHS classification	
	109-16-0	2,2'Ethylendioxydoethylmethacrylat Xi R36/37/38-43	40 - 60 %
	27813-02-1	Methacrylsäure, Monoester mit Propan-1,2-diol Xi R36-43	20 - 40 %
201-254-7	80-15-9	cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide O, T, Xn, C, N R7-23-21/22-48/20/22-34-51-53 Org. Perox. E, Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, STOT RE 2, Skin Corr. 1B, Aquatic Chronic 2; H242 H331 H312 H302 H373 ** H314 H411	< 3 %
	114-83-0	2'-Phenylacetohydrazid Xn R22-36/37/38-43	0,1 - 1 %

Full text of R- and H-phrases: see section 16.

4. First aid measures

General information

Avoid contact with skin, eyes, and clothing.

After inhalation

fresh air or oxygen supply Consult a doctor when complaints persist.

After contact with skin

After contact with skin, wash immediately with soap and plenty of water.

After contact with eyes

If the product comes into contact with the eyes, immediately rinse the open eyes with copious amounts of water for at least ten minutes. Afterwards consult an eye specialist.

After ingestion

Do not attempt to make an unconscious person vomit.

Advice to doctor

Provide symptomatic treatment.

5. Fire-fighting measures

Suitable extinguishing media

Foam. Carbon dioxide (CO₂). Water fog. Extinguishing powder.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special exposure hazards arising from substance or mixture itself, combustion products, resulting gases

Nitrogen oxides (NO_x). toxic pyrolysis products sulfur oxides.

Special protective equipment for fire-fighters

Wear breathing apparatus without recirculating air and suitable protective clothing.

Additional information

Fire residue and contaminated firefighting water must be disposed of in accordance with government regulations.

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6. Accidental release measures

Personal precautions

Provide adequate ventilation/vapour extraction at the workplace. Wear respiratory protection when in the presence of vapour, dust, and aerosols.

Environmental precautions

Prevent allover extension (e.g. knocking-down or a boom). Do not empty into drains or the aquatic environment.

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

7. Handling and storage

Handling

Advice on safe handling

Work in well ventilated zones or use proper respiratory protection.

Storage

Requirements for storage rooms and vessels

Store product in closed containers.

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
28553-12-0	Diisononyl phthalate	-	5		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

Exposure controls

9. Physical and chemical properties

General information

Physical state: viscous
Colour: different color types
Odour: characteristic

Important health, safety and environmental information

pH-Value: Test method
3-4 DIN 51369

Changes in the physical state

Flash point: > 93 °C
Vapour pressure: < 0,5 mbar hPa
Density (at 20 °C): 1,1 g/cm³
Viscosity / dynamic: 100 - 150 mPa·s
(at 25 °C)

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10. Stability and reactivity

Conditions to avoid

reaction with strong oxidising agents

Hazardous decomposition products

Irritant gases / vapors

11. Toxicological information

Acute toxicity

Acute toxicity, oral rat > 5000 mg/kg

Irritation and corrosivity

Irritation to skin, eyes, and mucous membranes.

12. Ecological information

13. Disposal considerations

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances
Classified as hazardous waste.

14. Transport information

Land transport (ADR/RID)

Description of the goods

kein Gefahrgut

Marine transport

Description of the goods

not classified as "Dangerous Goods"

Air transport

Description of the goods

not classified as "Dangerous Goods"

15. Regulatory information

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Labelling

Danger symbols: Xi - Irritant



Xi - Irritant

R phrases

36/37/38 Irritating to eyes, respiratory system and skin.
43 May cause sensitization by skin contact.

S phrases

24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of Wasser und Seife.
37/39 Wear suitable gloves and eye/face protection.

GHS labelling

Signal word: Danger
Pictograms: corrosion; exclamation mark



Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash ... thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P321 Specific treatment (see ... on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container to

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

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16. Other information

Full text of R-phrases referred to under sections 2 and 3

07	May cause fire.
21/22	Harmful in contact with skin and if swallowed.
22	Harmful if swallowed.
23	Toxic by inhalation.
34	Causes burns.
36	Irritating to eyes.
36/37/38	Irritating to eyes, respiratory system and skin.
43	May cause sensitization by skin contact.
48/20/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
51	Toxic to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3

H242	Heating may cause a fire.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)