

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

Aceton (130150-X)

Print date: 26.11.2010

Product code: 130150-X

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1. Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation**

Aceton (130150-X)

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 : Highly flammable, Irritant

R-phrases:

Highly flammable.

Irritating to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

GHS: Hazard categories:
Flammable liquid: Flam. Liq. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Specific target organ toxicity - single exposure: STOT SE 3
Hazard Statements:
Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

3. Composition/information on ingredients**Chemical characterization (substance)****Hazardous components**

EC-No.	Chemical name	Quantity
CAS-No.	Classification	
Index No.	GHS classification	
REACH-No.		
200-662-2	acetone, propan-2-one, propanone	100 %
67-64-1	F, Xi R11-36-66-67	
606-001-00-8	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

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

4. First aid measures

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General information

Change contaminated clothing. If victim is at risk of losing consciousness, position and transport on their side.

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. If skin becomes irritated, seek medical treatment.

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 induce vomiting. Consult physician. If swallowed immediately drink: Water.

5. Fire-fighting measures

Suitable extinguishing media

Water spray. alcohol resistant foam. Extinguishing powder. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons

High power water jet.

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

There may be reignition.

Special protective equipment for fire-fighters

Wear breathing apparatus with own air supply.

6. Accidental release measures

Personal precautions

Wear personal protection equipment. Keep unprotected persons at a safe distance.

Environmental precautions

Notify the responsible authority when the substance enters open water, the soil, or sewerage system.

Methods for cleaning up/taking up

Absorb with sand, soil, or another absorbent substance.

7. Handling and storage

Handling

Advice on safe handling

Provide adequate ventilation/vapour extraction at the workplace.

Advice on protection against fire and explosion

Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges. Use water to cool receptacles in danger.

Storage

Requirements for storage rooms and vessels

Keep in well sealed receptacles at a cool, dry location. May attack certain synthetics and rubber.

Storageclass (VCI):

B

8. Exposure controls/personal protection

Exposure limit values

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Exposure limits (EH40)

CAS-No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL

Exposure controls**Protective and hygiene measures**

Wash hands before breaks and after work.

Respiratory protection

When thresholds are exceeded approved respiratory equipment must be worn.

Hand protection

Wear protective gloves. Butyl rubber.

Eye protection

Wear goggles. face protection

Skin protection

Wear protective clothing.

9. Physical and chemical properties**General information**

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

Important health, safety and environmental information

Test method

Changes in the physical state

Melting point:	- 95 °C
Boiling point:	55,5 - 56,6 °C
Flash point:	< - 18 °C
Lower explosion limits:	2,2 vol. %
Upper explosion limits:	12,8 vol. %
Ignition temperature:	465 - 540 °C
Vapour pressure: (at 50 °C)	8,28 hPa
Density (at 20 °C):	0,791 g/cm ³
Water solubility:	completely soluble
Viscosity / dynamic: (at 20 °C)	0,33 mPa·s

Other information

Verteilungskoeffizient (n-Octanol / Wasser): - 0,24 logPOW

10. Stability and reactivity**Conditions to avoid**

no decomposition when stored and handled properly

Materials to avoid

Oxidizing agents.

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Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

11. Toxicological information**Acute toxicity**

oral: LD50 1700 - 10700 mg/kg (rat)
 dermal : LD50 > 15688 mg/kg (rabbit)
 inhalativ: LC50 / 4h > 6700 mg/l (rat)

Specific effects in experiment on an animal

No irritation to eyes and skin of rabbits.

Sensitising effects

none known

Carcinogenic/mutagenic/toxic effects for reproduction

none known

12. Ecological information**Bioaccumulative potential**

bioaccumulation improbable 0,69

Further information

Do not let the product enter the groundwater, open water, or the sewerage system.

13. Disposal considerations**Advice on disposal**

Waste key numbers are assigned according to the European Waste Catalogue (EWC) depending on the sector and process type.

Contaminated packaging

Cleaned containers may be recycled.

14. Transport information**Land transport (ADR/RID)**

UN number:	1090
ADR/RID class:	3
Classification code:	F1
Warning plate	
Hazard-no.:	33
Hazard label:	3



ADR/RID packing group:	II
Limited quantity:	LQ4

Description of the goods

ACETON

Other applicable information (land transport)

: 2

Marine transport

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UN number: 1090
 IMDG code: 3
 Hazard label: 3



IMDG packing group: II
 EmS: F-E, S-D
 Limited quantity: 1 L

Description of the goods

ACETONE (ACETONE SOLUTIONS)

Other applicable information (marine transport)

:-

Air transport

UN/ID number: 1090
 ICAO/IATA-DGR: 3
 Hazard label: 3



ICAO packing group: II
 Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 305
 IATA-max. quantity - Passenger: 5 L
 IATA-packing instructions - Cargo: 307
 IATA-max. quantity - Cargo: 60 L

Description of the goods

ACETONE (ACETONE SOLUTIONS)

Other applicable information (air transport)

: Y305

15. Regulatory information**Labelling**

Danger symbols: F - Highly flammable; Xi - Irritant



F - Highly flammable

Xi - Irritant

Hazardous components which must be listed on the label

not classified as dangerous under the hazardous substances laws (GefStoffV)/EC Directives

R phrases

11 Highly flammable.
 36 Irritating to eyes.
 66 Repeated exposure may cause skin dryness or cracking.
 67 Vapours may cause drowsiness and dizziness.

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S phrases

- 09 Keep container in a well-ventilated place.
 16 Keep away from sources of ignition - No smoking.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

GHS labelling

Signal word: Danger
 Pictograms: flame; exclamation mark

**Hazard statements**

- H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash ... thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 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.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P370+P378 In case of fire: Use ... for extinction.
 P235 Keep cool.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container to

Special labelling for certain preparations

Contains epoxy constituents. May produce an allergic reaction.

National regulatory information

- Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.
 Water contaminating class (D): 1 - slightly water contaminating

16. Other information

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

- 11 Highly flammable.
- 36 Irritating to eyes.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

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

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.