

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Aceton

Revision date: 04.11.2020

Product code: 130150-X

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Aceton

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.3. Details of the supplier of the safety data sheet**

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 (0)7157 5304-60	Telefax: +49 (0)7157 5304-70
e-mail:	info@r-g.de	
Internet:	www.r-g.de	
Responsible Department:	Management	

1.4. Emergency telephone number: Vergiftungs-Informationen-Zentrale Freiburg
Tel: +49 (0)761 19240

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

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.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

acetone; propan-2-one; propanone

Signal word: Danger**Pictograms:****Hazard statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

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

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients**3.1. Substances****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
67-64-1	acetone; propan-2-one; propanone			100 %
	200-662-2	606-001-00-8		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****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 plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Consult a doctor when complaints persist.

4.2. Most important symptoms and effects, both acute and delayed

Irritant effect on the eye, mild irritation to the skin (rabbit).

4.3. Indication of any immediate medical attention and special treatment needed

Prolonged/repetitive skin contact may cause skin defatting or dermatitis. Rub greasy ointment into the skin. Can cause nausea and vomiting with danger of Chemical Pneumonia. Observe risk of aspiration if vomiting occurs. Do not give fatty oils and milk.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

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

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

There may be reignition.

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5.3. Advice for firefighters

Wear breathing apparatus with own air supply.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Absorb with sand, earth, or another absorbent substance.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe 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.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

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

Further information on storage conditions

Keep in well sealed receptacles at a cool, dry location.

7.3. Specific end use(s)

The product does not contain any relevant quantities of substances with workplace-related limit values to be monitored.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL

8.2. Exposure controls**Protective and hygiene measures**

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately.

Avoid contact with eyes and skin.

Eye/face protection

Protective goggles (EN 166)

Hand protection

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and degradation.
Material of gloves: The selection of suitable gloves not only the material but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials can not advance and has therefore to be checked before use. Neoprene gloves.
Gloves made of synthetic rubber. The exact Durchbuchzeit is from the protective glove manufacturer to manufacturer.

Skin protection

Wear protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	slightly sweetish

Changes in the physical state

Melting point:	- 94,7 °C
Initial boiling point and boiling range:	55,8 - 56,6 °C
Flash point:	< - 18 °C
Lower explosion limits:	2,1 vol. %
Upper explosion limits:	13 vol. %
Ignition temperature:	540 °C
Vapour pressure: (at 20 °C)	0,791 hPa
Water solubility:	completely soluble
Viscosity / dynamic: (at 25 °C)	32 mPa·s

SECTION 10: Stability and reactivity

10.3. Possibility of hazardous reactions

The product does not contain any relevant quantities of substances with workplace-related limit values to be monitored.

10.4. Conditions to avoid

no decomposition when stored and handled properly

10.5. Incompatible materials

The product does not contain any relevant quantities of substances with workplace-related limit values to be monitored.

10.6. Hazardous decomposition products

The product does not contain any relevant quantities of substances with workplace-related limit values to be monitored.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

oral: LD50 5800 mg/kg (rat)
dermal : LD5020000 mg/kg (rbt)

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-64-1	acetone; propan-2-one; propanone				
	oral	LD50 mg/kg	5800	Rat	RTECS
	dermal	LD50 mg/kg	20000	Rabbit	IUCLID
	inhalation (4 h) vapour	LC50	76 mg/l	Rat	

Sensitising effects

none known

Carcinogenic/mutagenic/toxic effects for reproduction

none known

Specific effects in experiment on an animal

Store away from foodstuffs.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
67-64-1	acetone; propan-2-one; propanone					
	Acute fish toxicity	LC50 mg/l	5540	96 h Onchorhynchus mykiss		
	Acute crustacea toxicity	EC50 mg/l	6100	48 h Daphnia magna		

12.2. Persistence and degradability

The product does not contain any relevant quantities of substances with workplace-related limit values to be monitored.

12.3. Bioaccumulative potential

The product does not contain any relevant quantities of substances with workplace-related limit values to be monitored.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24

12.4. Mobility in soil

The product does not contain any relevant quantities of substances with workplace-related limit values to be monitored.

Further information

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

May not be disposed of together with domestic waste. Do not allow to enter the sewerage system.

Contaminated packaging

Dispose of waste according to applicable legislation
For cleaning up : Water. Water (with cleaning agent).

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SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1090
14.2. UN proper shipping name: ACETONE
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Classification code: F1
 Limited quantity: 1L
 Transport category: 2
 Hazard No: 33
 Tunnel restriction code: D/E

Other applicable information (land transport)

: 2

Marine transport (IMDG)

14.1. UN number: UN 1090
14.2. UN proper shipping name: ACETONE (ACETONE SOLUTIONS)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Marine pollutant: Nein
 Limited quantity: 1 L
 EmS: F-E, S-D

Other applicable information (marine transport)

: -

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1090
14.2. UN proper shipping name: ACETONE (ACETONE SOLUTIONS)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



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

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Other applicable information (air transport)

: Y305

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

2004/42/EC (VOC): 100 %

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): -- non-hazardous to water

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.