

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

CA solvent

Print date : 06.11.2008

Product code : 150150-1

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

Identification of the substance or preparation

CA solvent

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
e-mail : info@r-g.de
Internet : www.r-g.de
Inquiry office : Management
Emergency telephone : poison information centre
Telefax : +49-7157-530470

2. Hazards identification

Classification

Indications of danger : Harmful
R-phrases :
Heating may cause an explosion.
Flammable.
Harmful if swallowed.

3. Composition/information on ingredients

Chemical characterization (preparation)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-876-6	75-52-5	nitromethane	90-100%	Xn R5-10-22

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

General information

Immediately take off soiled, impregnated 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: water and soap.

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

Immediately get medical attention. Rinse mouth immediately and drink large quantities of water. Do not attempt to make an unconscious person vomit.

Advice to doctor

Provide symptomatic treatment.

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5. Fire-fighting measures

Suitable extinguishing mediaSand. Extinguishing powder. Carbon dioxide (CO₂). Foam.**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 gasesNitrogen oxides (NO_x). toxic pyrolysis products**Special protective equipment for fire-fighters**

In case of fire and/or explosion do not breathe fumes. Wear breathing apparatus without recirculating air and suitable protective clothing.

Additional information

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

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. Wear protective clothing.

Environmental precautions

Prevent allover extension (e.g.knocking-down or a boom).

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

7. Handling and storage

Handling

Advice on safe handling

Only use instruments which are resistance against solvents Provide adequate room ventilation, if necessary with 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. Empty wreaths might contain ignitable compositions.

Storage

Requirements for storage rooms and vessels

Store only in original container. Provide a solvent-resistant and sealed floor.

Advice on storage compatibility

Keep away from oxidising agents.

Further information on storage conditions

Use only in well-ventilated areas. Keep receptacles tightly sealed.

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
75-52-5	Nitromethane	100	254		TWA (8 h)	WEL
		150	381		STEL (15 min)	WEL

Exposure controls**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 : < 20 °C
 Boiling point : 101 °C
 Flash point : 36 °C
 Lower explosion limits : 7,1 vol. %
 Upper explosion limits : 63 vol. %
 Vapour pressure : 36 hPa
 (at 20 °C)

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

In case of warming: explosive. Heating above the flashpoint and/or spraying or atomising may form ignitable mixtures. reaction with strong oxidising agents

Hazardous decomposition products

Gas / vapours, flammable.

11. Toxicological information**Acute toxicity**

rat 940 mg/kg

12. Ecological information**Ecotoxicity**

Acute fish toxicity LC50: ca. 460 g/l Brachydanio rerio
 Acute Daphnia toxicity EC50: ca. 450 mg/l Daphnia magna

13. Disposal considerations**Waste disposal number of waste from residues/unused products**

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors
 Classified as hazardous waste.

Waste disposal number of used product

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Waste disposal number of contaminated packaging

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Classified as hazardous waste.

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

UN number : 1261
ADR/RID class : 3
Classification code : F1
Warning plate
Hazard-no. : II
Limited quantity : 3 I

Description of the goods

Nitromethan

Marine transport

UN number : 1261
IMDG code : 1
Hazard label : 3
IMDG packing group : II
EmS : F-E. S-D
Limited quantity : 1 I

Description of the goods

Nitromethane

Air transport

UN/ID number : 1261
Hazard label : 3
ICAO packing group : II

15. Regulatory information**Labelling**

Danger symbols : Xn - Harmful

R phrases

05 Heating may cause an explosion.
10 Flammable.
22 Harmful if swallowed.

S phrases

41 In case of fire and/or explosion do not breathe fumes.
60 This material and its container must be disposed of as hazardous waste.

National regulatory information

Water contaminating class (D) : 2 - water contaminating

16. Other information**Full text of R-phrases referred to under sections 2 and 3**

05 Heating may cause an explosion.
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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)