



Trade name: Marabu-Fixogum Rubber Cement 50 g

Status: 10.01.2012

Product no.: 290110000

Version : 1 / GB

Date of printing : 13.01.2012

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

Identification of the substance or preparation

Trade name

Marabu-Fixogum Rubber Cement 50 g

Use of the substance/preparation

Adhesive agent

Company/undertaking identification

Address

Marabu GmbH & Co KG
Asperger Straße 4
D-71732 Tamm

Telephone no. (+49) (0)7141/691-0

Fax no. (+49) (0)7141/691-117

E-mail address of person responsible for this SDS

PRSI@marabu.de

Information provided by / telephone

Product safety (+49) (0)7141/691-116 or 232

Emergency telephone

(+49) (0)621-60-43333

2.) Hazards possibilities

Classification

F	R11
Xi	R38
N	R51/53
	R67

R phrases

11	Highly flammable.
38	Irritating to skin.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67	Vapours may cause drowsiness and dizziness.

Specific hazards to man and the environment

The product is water polluting.

3.) Composition / information on ingredients

Chemical characterization

Adhesive agent based on natural caoutchouc and on solvents

Hazardous ingredients

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT

CAS no.	64742-49-0				
EINECS no.	265-151-9				
Concentration	>= 85	<	90	%-b.w.	



Safety data sheet in accordance with regulation (EC) No 1907/2006

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Classification Xn;R65
 F;R11
 N;R51/53
 Xi;R38
 R67

4.) First aid measures

General information

Immediately remove all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Unconsciousness: lateral position - call a physician.

After inhalation

Take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. Call a physician.

After skin contact

Wash away with soap and water and rinse. Do NOT use solvents or thinners!

After eye contact

Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Call a physician. Keep at rest. Do not induce vomiting.

5.) Fire-fighting measures

Suitable extinguishing media

Carbon dioxide, foam, sand, dry extinguishing agent.

Extinguishing media that must not be used for safety reasons

Water jet should not be used because water is not mixable with a lot of organic solvents and such solvents will spread on the water surface.

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

In case of fire, dangerous smoke gases such as carbon dioxide, carbon monoxide and soot can be produced. Therefore, take suitable precautionary measures for fire fighting. Residues remaining after a fire have to be disposed of appropriately.

Special protective equipment for fire-fighting

Breathing apparatus with an independent source of air may be required.

Other information

Cool endangered containers with water in case of fire.

6.) Accidental release measures

Personal precautions

Keep away from sources of ignition. Provide for good ventilation. Do not breathe vapours. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up

Remove by liquid absorbing material (e.g. kieselguhr) and process according to waste regulations. Clean preferably with a detergent; avoid use of solvents.



7.) Handling and storage

Handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the workplace exposure limit. Do not leave containers open. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid contact with skin and eyes. Avoid inhalation of vapour and spray mist. When using do not eat, drink or smoke. Comply with the health and safety at work laws.

Advice on protection against fire and explosion

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used.

Classification of fires

B (Combustible liquid substances)

Temperature class

T3

Storage

Requirements for storage rooms and vessels

Recommended storage temperature: 15-30°C. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hints on storage assembly

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information on storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep containers dry and cool. Keep away from sources of ignition.

8.) Expose controls/personal protection

Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Exposure limit values

N-HEXANE

CAS no. 110-54-3
EINECS no. 203-777-6

2000/39/EC
Value

20 ml/m³ 72 ml/m³

WEL (EH40/2005)
Value

20 ml/m³ 72 mg/m³

CYCLOALKANES, >=C7

WEL (EH40/2005)
Value 800 mg/m³

NORMAL AND BRANCHED CHAIN ALKANES, >=C7

WEL (EH40/2005)
Value 1200 mg/m³



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Occupational exposure controls

Respiratory protection

Breathing protection equipment required in inadequately ventilated places and during spraying.

Respiratory filter (gas) : A

Respiratory filter (part): P2

Hand protection

Nitrile gloves.

Eye protection

Use safety glasses.

Skin protection

Personal should wear antistatic clothing made of natural fibre or of high temperature resistant synthetic fibre. All parts of the body should be washed after contact. Use re-greasing skin cream.

General protective and hygiene measures

The usual precautionary measures for the handling of chemicals have to be observed.

9.) Physical and chemical properties

General information

Form	Pasty
Colour	clear, colourless
Odour	mild, benzine-like

Important health, safety and environmental information

Changes in physical state

Type	Starts to boil	
Value	88	°C

Flash point

Value	-12	°C
Reference substance	solvent	

Ignition temperature

Value	270	°C
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Explosion limits

Upper explosion limit	8,0	% vol
Lower explosion limit	1,0	% vol

Vapour pressure

Value	85	hPa
Reference temperature	20	°C

Density

Value	0,73	[P_ID: 6000415!]
Reference temperature	20	°C

Viscosity

Type	Flow time	
Value	> 150	sec
Method	DIN-cup 4 mm	
Reference temperature	20	°C
Type	dynamic	
Value	[P_ID 2800 : 6000 449!]	mPa*s
Reference temperature	20	°C

Solubility in water



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Remarks insoluble

pH value

Remarks not applicable

Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

10.) Stability and reactivity

Conditions to avoid

Stable under recommended storage and handling conditions (See section 7).

Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products

When exposed to high temperatures, dangerous decomposition products such as carbon dioxide, carbon monoxide and soot can be produced.

11.) Toxicological information

Experience in practice

Exposure to component solvents vapours concentration in excess of the stated workplace exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Irritating to skin.

Splashes in the eyes may cause pronounced burning pains.

If swallowed, stomach complaints and irritation of the digestive organs may result.

Other information

There are no data available on the preparation itself.

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EEC).

12.) Ecological information

General information / ecology

There are no data available on the preparation itself. Do not empty into waters or drains

13.) Disposal considerations

Product

Put only dried residues into household refuse. If residues are not dried, dispose of or incinerate in accordance with corresponding regulations

Code of waste pursuant to European Council Directive on waste: 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).

Uncontaminated packaging

Completely emptied containers can be used in the recycling chain with tinplate.

Containers with residues are to be treated as special waste.

Code of waste pursuant on European Council Directive on waste: 150104 (Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified - packaging (including separately collected municipal packaging waste) - metallic packaging).



14.) Transport information

Land transport ADR/RID

Class	3
Packing group	III
Hazard id. no.	30
Label	3, GHS09G, -
UN number	1133
Technical name	ADHESIVES
Danger releasing substance	NAPHTHA (PETROLEUM), HYDROTREATED LIGHT

Marine transport IMDG/GGVSee

Class	3
Packing group	III
UN number	1133
Proper shipping name	ADHESIVES
Danger releasing substance	NAPHTHA (PETROLEUM), HYDROTREATED LIGHT
MARPOL	MP
Label	3, GHS09G

Air transport ICAO/IATA

Class	3
Packing group	III
UN number	1133
Proper shipping name	ADHESIVES
Danger releasing substance	NAPHTHA (PETROLEUM), HYDROTREATED LIGHT
Label	3

15.) Regulatory information

Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC directives/GefStoff V

Hazard symbols

F	Highly flammable	Xi	Irritant
N	Dangerous for the environment		

R phrases

11	Highly flammable.
38	Irritating to skin.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67	Vapours may cause drowsiness and dizziness.

S phrases

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.
29	Do not empty into drains.
33	Take precautionary measures against static discharges.
51	Use only in well-ventilated areas.

16.) Other information

Other information

According to their chemical structure, the applied raw materials do not contain any antimony, arsenic, soluble barium, lead, cadmium, chromium, mercury and selenium.



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NAPHTHA (PETROLEUM), HYDROTREATED LIGHT

11	Highly flammable.
65	Harmful: may cause lung damage if swallowed.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
38	Irritating to skin.
67	Vapours may cause drowsiness and dizziness.

Department issuing safety data sheet

Product safety.

Contact person

Dipl.-Chem. G. Heller or Dipl.-Ing. U. Voetter.

The instructions are based on today's information and knowledge. The safety data sheet describes products in relation to safety requirements. These instructions do not assure application technological properties of the product.