

* BÜFA®-Primer Metal

Date revised: 01.09.2017

7420079

Version: 1 / DE

Master No. M-409

Print date: 01.02.19

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

BÜFA®-Primer Metal

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Auxiliary

1.3. Details of the supplier of the safety data sheet

Address

BÜFA Composite Systems

GmbH & Co. KG Hohe Looge 2-8

Hohe Looge 2-8

26180 Rastede

Telephone no. +49 4402 975-0

Fax no. +49 4402 975-400

Information provided Department product safety / +49 4402 975-415

by / telephone

E-Mail produktsicherheit-compositesystems@buefa.de

1.4. Emergency telephone number

Giftzentrale Goettingen: +49 551 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

Precautionary statements

P210.9 Keep away from sparks, open flames and other ignition sources. No smoking.
 P241.1 Use explosion-proof ventilating equipment.
 P243 Take precautionary measures against static discharge.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

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The product does not contain PBT/vPvB-substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Complete text of hazard statements in chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Adhere to personal protective measures when giving first aid. Remove soiled or soaked clothing immediately, do not allow to dry.

After inhalation

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical advice immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

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

The following symptoms may occur: Headache, Thirst, Nausea

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

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, Dry powder, Carbon dioxide, Water spray jet

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby, pressure build-up and danger of bursting are possible.

5.3. Advice for firefighters

In case of combustion use a suitable breathing apparatus. Cool endangered containers with water spray jet. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Ensure adequate ventilation. Keep away sources of ignition. Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

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Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Observe the usual precautions for handling chemicals. Provide good ventilation of working area (local exhaust ventilation if necessary).

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage class according to TRGS 510

3 Flammable liquid

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Ethanol

List TRGS 900

Type AGW

Value 960 mg/m³ 500 ppm(V)

Maximum limit value: 2(II); Skin resorption / sensibilisation; Pregnancy group: Y; Status: 4.4.2013; Remarks: DFG

8.2. Exposure controls

General protective and hygiene measures

Provide good ventilation of working area (local exhaust ventilation if necessary).

Respiratory protection

Short term: filter apparatus, Filter A; Breathing apparatus in the event of high concentrations. In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Chemical resistant gloves

Appropriate Material butyl

Material thickness 0,5 mm

Breakthrough time > 480 min

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form liquid

Colour colourless

Odour of ethanol

Boiling point

Value from 36 °C

Flash point

Value 12 °C

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Efflux time

Value	5	s
Method	DIN EN ISO 2431 - 6 mm	

Explosion limits

Lower explosion limit	3,5	%(V)
Upper explosion limit	15	%(V)

Density

Value	1	g/cm ³
Temperature	20	°C

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

None

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Based on available data, the classification criteria are not met.

Acute dermal toxicity

Based on available data, the classification criteria are not met.

Acute inhalational toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Sensitization

Based on available data, the classification criteria are not met.

Mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)**Single exposure**

Based on available data, the classification criteria are not met.

Repeated exposure

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Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity****Ethanol**

Species	golden orfe (<i>Leuciscus idus</i>)		
LC50	> 100		mg/l
Duration of exposure	48	h	
Method	OECD 203		
Source	Literature value		

Daphnia toxicity**Ethanol**

Species	Daphnia magna		
EC50	> 100		mg/l
Duration of exposure	24	h	
Method	OECD 202		
Source	Literature value		

Algae toxicity**Ethanol**

Species	Chlorella pyrenoidosa		
EC50	> 100		mg/l
Method	OECD		
Source	Literature value		

Bacteria toxicity

No toxicological data are available.

12.2. Persistence and degradability

For this subsection there is no ecotoxicological data available on the product as such.

Biodegradability**Ethanol**

Value	> 70		%
Duration of test	5	Days	
Method	OECD 301 D		
Source	Literature value		

12.3. Bioaccumulative potential

For this subsection there is no ecotoxicological data available on the product as such.

12.4. Mobility in soil

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment

The product does not contain PBT/vPvB-substances.

12.6. Other adverse effects

For this subsection there is no ecotoxicological data available on the product as such.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code 07 02 04* other organic solvents, washing liquids and mother liquors
The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be

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understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off as product waste.

SECTION 14: Transport information**Land transport ADR/RID****14.1. UN number**

UN number 1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S., (Ethanol)

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group	II
Tunnel restriction code	D/E

Marine transport IMDG/GGVSee**14.1. UN number**

UN number 1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (Ethanol)

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group	II
EmS	F-E, S-E

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany)	WGK 1
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Remarks	Classification according to Annex 4 VwVwS
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VOC

VOC (EU)	97,93	%
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Major-accident categories acc. 2012/18/EU

Category	P5c	FLAMMABLE LIQUID
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Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

Alterations/supplements: Alterations to the previous edition are marked with an asterisk (*) in the left-hand margin.

Abbreviations

CAS: Chemical Abstracts Service
 EAK: Europäischer Abfallkatalog
 EINECS: European Inventory of Existing Commercial Chemical Substances
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: Very persistent and very bioaccumulative
 VOC: Volatile Organic Compound

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Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.